TABLE OF CONTENTS

2 Series Information
3 Club Planning Guide
4 Lectures By Category
16 Lecture Descriptions
52 Lecturer Biographies
November 2016

Dear Club Leaders:

It’s an image I will never forget. On the evening of Father Hesburgh’s wake, as a campus and a global family mourned the loss of its iconic leader, University photographer Matt Cashore took a photograph that lifted so many spirits. It showed a darkened Hesburgh Library in the evening sky with just one window illuminated; the light was on in Father Ted’s office. For so many of us, that simple picture sent a reassuring message at a difficult time: Father Ted and his spirit would always be with us.

As we all seek to continue to honor Father Ted, the importance of the Hesburgh Lecture Series cannot be overstated. Father Ted had a lifelong love of learning and a passion for the respectful exchange of ideas. Each year, when your club brings a Notre Dame professor into your community to engage thoughtfully on a significant topic, you pay tribute to our former president’s memory and allow our alumni and friends to live by his example.

Thank you for your ongoing dedication to this wonderful series. I am confident that Father Ted remains proud that each year thousands of members of the Notre Dame family gather in his name to learn and grow together.

All the best,

Dolly Duffy ’84
Executive Director, Alumni Association
Associate Vice President, University Relations
HESBURGH LECTURE SERIES

Inspired by the late Father Hesburgh’s example of lifelong learning, the Hesburgh Lecture Series has brought University faculty to Notre Dame clubs and their local communities since 1986. The lectures, presented by mostly tenured faculty, showcase the depth and breadth of Notre Dame’s academic expertise in research and teaching through an accessible format suitable for a general audience. The Hesburgh Lecture Series furthers the mission of the Alumni Association to provide meaningful continuing education opportunities to Notre Dame alumni and friends.

From seven lectures in the first year, the portfolio of topics has expanded to 251 lectures, presented by 115 faculty members from an extensive list of categories. Annually, approximately 6,700 alumni and friends attend Hesburgh Lectures.

Program Objectives

• The Hesburgh Lecture Series brings the Notre Dame campus to its alumni and friends across the country
• The program encourages intellectual dialogue between alumni, community members, and distinguished Notre Dame faculty
• Lectures address issues reflective of the unique strengths of the University in an effort to stimulate the intellectual engagement of our graduates and others

Benefits of Sponsoring a Lecture

• Serves as an opportunity to showcase Notre Dame and the ND club to the community
• Generates community support by inviting a local organization to co-sponsor
• Appeals to Notre Dame alumni and friends who are interested in intellectual engagement

Program Costs

For a club to host a Hesburgh lecture, the cost is $300 to cover the faculty honorarium. If a club has never sponsored a Hesburgh lecture, the Alumni Association waives the $300 honorarium for the first lecture. Failure to pay the honorarium will affect the club’s eligibility for football tickets.

The Alumni Association covers the cost of travel, including airfare, up to two night’s lodging, and up to two day’s meals for each lecture. Clubs are responsible for all costs associated with the lecture and surrounding events, including invitations, marketing materials, room and equipment rentals, reception, and meals if necessary. Many of these expenses may be reduced by co-sponsoring the lecture with local organizations.

The lecture must be free and open to the public. All promotional materials must clearly state this. However, a club may charge a fee for a meal or reception that is associated with the event, as long as a person has the option of attending the lecture without attending the associated event.

A club may work with the faculty and request an additional lecture or event during the trip. In these cases, the club is responsible for the event coordination with the faculty directly. Any additional expenses associated with the added events are also the responsibility of the club. Extra costs may include an honorarium, accommodations, or meals.

International Hesburgh Lectures

By expanding the Hesburgh Lecture Series internationally, the Alumni Association is furthering Fr. Hesburgh’s vision to engage the Notre Dame family around the world in the lifelong pursuit of learning. International Hesburgh Lectures are unique in format, but must be:

• Free and open to the public
• Presented by a Hesburgh Lecturer
• A lecture topic that is listed within the Hesburgh Lecture Series catalog

If your club is interested in hosting an International Hesburgh Lecture, please contact the International Alumni Relations Program Director at intalumni@nd.edu.

“Questions and problems continue to challenge us, and given the excellence of today’s faculty, it is a true blessing to have them stimulate and provoke thoughtful dialogue in your communities.”

Rev. Theodore M. Hesburgh, C.S.C.
Club Planning Guide

Catalog Layout

SECTION 1: LECTURE BY CATEGORY
Lecture titles are listed by category, and most lectures are included in more than one. The 2017 categories include Architecture, Arts/Literature/Music, Business/Economics, Catholicism/World Religions/Spirituality, Communications, Current Affairs, Education, Environment, Ethics/Social Concerns, Family, Globalization/Intercultural, Government/Law/Politics, Health, History, Human Behavior, Notre Dame, Science/Engineering, Sports, and Technology/Social Media.

SECTION 2: LECTURE DESCRIPTIONS
Lectures including the descriptions are listed in alphabetical order.

SECTION 3: LECTURER BIOGRAPHIES
All lecturer biographies are provided in alphabetical order with photos, lecture titles, and page numbers.

Suggested Timeline

THREE TO SIX MONTHS PRIOR TO THE LECTURE:
☐ Establish a Hesburgh Lecture or educational coordinator and/or committee.
☐ Select three speakers, preferred lecture topics, and possible dates.
☐ Submit your lecture request to the academic programs staff using the online form at clubs.undgroup.org/HLSR. Please enter three lecture options including speaker name, lecture title, preferred dates, and any special instructions. If you have any questions, please contact the academic program staff at alumaced@nd.edu or (574) 631-8693. Please do not contact the faculty member directly until you receive written confirmation of the lecture from the Alumni Association.
☐ Secure the venue and identify possible co-sponsors.

AFTER RECEIVING THE CONFIRMATION EMAIL FROM THE ALUMNI ASSOCIATION:
☐ Contact the faculty member immediately and discuss location, date, time of the lecture, and technology needs.
☐ Send honorarium payment to the Alumni Association.
☐ Begin to promote the lecture through club and community partners including press releases, community media outlets, and websites/calendars.

TWO MONTHS PRIOR TO THE LECTURE:
☐ Email or mail logistical information to the speaker.
☐ Promote the program in the club newsletter, club website, and social media.
☐ Utilizing the provided marketing materials from the Alumni Association (sent with the confirmation email), continue to promote the lecture through club and community partners including press releases, community media outlets, and websites/calendars.

THREE TO FOUR WEEKS PRIOR TO THE LECTURE:
☐ Invite attendees. Don’t forget the requirement to include the general public.
☐ Call or email speaker to confirm details, including technology needs.

☐ Confirm logistics at venue (e.g., audio-visual equipment, room set up).

ONE TO TWO WEEKS PRIOR TO THE LECTURE:
☐ Send broadcast email/text to club members and community partners reminding them of the lecture.
☐ Place reminder calls to people who responded to the invitation (phone tree).

ONE TO TWO WEEKS AFTER THE LECTURE:
☐ Check your email for the follow-up message and use the link to complete your online evaluation survey for the event, including total number of attendees.

Suggested Program Format

☐ 10 Minutes: Welcome and introduction by club leader.
☐ Please use faculty biography in Hesburgh catalog.
☐ 30-40 Minutes: Presentation by lecturer.
☐ 15-30 Minutes: Questions and answers/discussion.
☐ Reception (if appropriate).

Helpful Tips

• In order for the event to be counted as a Hesburgh Lecture, the faculty member must be selected from the Hesburgh catalog. Coordinators are strongly encouraged to discuss topics of interest with the club leadership prior to submitting the lecture request. Please submit lecture request on the web at clubs.undgroup.org/HLSR.

• Choose a date and time that does not conflict with other club events. Also, please check the University calendar (http://calendar.nd.edu) for potential dates to avoid (e.g., home football games, Commencement weekend, school holidays).

• Many clubs have been able to generate community support by inviting a local organization to co-sponsor the event. This helps showcase Notre Dame and our academic excellence within the community. The co-sponsoring organizations may be able to help with location, publicity, attendance, and honorarium.

• In selecting a location for the lecture, be sure that it is a venue that does not conflict with the mission of the University, is conveniently located (e.g., local high school or college facility, parish center, or hotel) and provides parking.

• Hospitality is always appreciated by our faculty members. This can be in the form of recommending convenient hotels, offering transportation to and from the airport and the lecture, and inviting the speaker to dinner.

• For more information, visit our website my.nd.edu/hesburghseries.

Questions? Please contact...

ALUMNI ACADEMIC PROGRAMS
Mandy Kinnucan, Academic Programs Director
mandy.kinnucan@nd.edu or 574-631-6996
Janet L. Miller, Administrative Assistant
Miller.17@nd.edu or 574-631-8693
## Lectures By Category

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ARCHITECTURE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>An Architecture of Transcendence</td>
<td>Stroik</td>
<td>17</td>
</tr>
<tr>
<td>Architecture and Urbanism in a Time of Unprecedented Change</td>
<td>Lykoudis</td>
<td>18</td>
</tr>
<tr>
<td>Church Architecture for the Poor?</td>
<td>Stroik</td>
<td>21</td>
</tr>
<tr>
<td>Church Architecture Since Vatican II</td>
<td>Stroik</td>
<td>21</td>
</tr>
<tr>
<td>Reconstructing Ancient Corinth</td>
<td>Rhodes</td>
<td>37</td>
</tr>
<tr>
<td>Spires, Domes, and Dormitories: <em>The Architecture of the Catholic Campus</em></td>
<td>Stroik</td>
<td>40</td>
</tr>
<tr>
<td>The Art and Landscape of Greece</td>
<td>Rhodes</td>
<td>41</td>
</tr>
<tr>
<td>The Interesting Geometry of the Sydney Opera</td>
<td>Hahn</td>
<td>44</td>
</tr>
<tr>
<td>The Origins of Monumental Architecture in Greece</td>
<td>Rhodes</td>
<td>45</td>
</tr>
<tr>
<td><strong>ARTS/LITERATURE/MUSIC</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50 Years of “Chicago”</td>
<td>Dye</td>
<td>16</td>
</tr>
<tr>
<td>Beautiful Ugliness and Christianity</td>
<td>Roche</td>
<td>18</td>
</tr>
<tr>
<td>Being Atticus Finch</td>
<td>Link</td>
<td>19</td>
</tr>
<tr>
<td>Cars and Stars</td>
<td>Dye</td>
<td>20</td>
</tr>
<tr>
<td>China’s Cultural Scene</td>
<td>J. Noble</td>
<td>21</td>
</tr>
<tr>
<td>Entrepreneurs of Music—From JS Bach to Jimmy Buffet</td>
<td>Dye</td>
<td>25</td>
</tr>
<tr>
<td>Faith Taking Shape: Early Christianity and the Arts</td>
<td>T. Noble</td>
<td>26</td>
</tr>
<tr>
<td>“It was as a rebel that he fell.” The Abuse of Power, Scapegoating and Lying</td>
<td>Profit</td>
<td>30</td>
</tr>
<tr>
<td>in Friedrich Dürrenmatt’s <em>Suspicion</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leonardo da Vinci: <em>Painter of Mysteries</em></td>
<td>Rosenberg</td>
<td>31</td>
</tr>
<tr>
<td>Lessons from Music and the Olympics</td>
<td>Dye</td>
<td>31</td>
</tr>
<tr>
<td>Lights, Camera, Music!</td>
<td>Dye</td>
<td>32</td>
</tr>
<tr>
<td>Marching to Motown</td>
<td>Dye</td>
<td>33</td>
</tr>
<tr>
<td>Musical Leadership in the World of Business and Innovation</td>
<td>Dye</td>
<td>33</td>
</tr>
<tr>
<td>Presidential Elections on Film and Television</td>
<td>Ohmer</td>
<td>36</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BUSINESS/ECONOMICS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A History of Financial Crises</td>
<td>R. Jensen</td>
<td>16</td>
</tr>
<tr>
<td>Academic Entrepreneurship</td>
<td>R. Jensen</td>
<td>17</td>
</tr>
<tr>
<td>Business in Light of Catholic Social Teaching</td>
<td>Cremers</td>
<td>19</td>
</tr>
<tr>
<td>Can You Do Well While Doing Good?</td>
<td>Williams</td>
<td>19</td>
</tr>
<tr>
<td>China’s Global Impact</td>
<td>J. Noble</td>
<td>21</td>
</tr>
<tr>
<td>Demographics and the Global Economy</td>
<td>Mark</td>
<td>22</td>
</tr>
<tr>
<td>Economic Growth and Environmental Crisis in China</td>
<td>Kim</td>
<td>24</td>
</tr>
<tr>
<td>“Employee-Care Zones”: Ten Best Practices for Creating One in an Organization</td>
<td>Crowell</td>
<td>25</td>
</tr>
<tr>
<td>Entrepreneurs of Music—From JS Bach to Jimmy Buffet</td>
<td>Dye</td>
<td>25</td>
</tr>
<tr>
<td>Ethical Business in the 21st Century</td>
<td>Murphy</td>
<td>25</td>
</tr>
<tr>
<td>Grow by Focusing on What Matters: <em>Competitive Strategy in 3-Circles</em></td>
<td>Urbany</td>
<td>28</td>
</tr>
<tr>
<td>Guided Self Development—A Mentoring Approach to Effective Management and Leadership</td>
<td>Crowell</td>
<td>28</td>
</tr>
<tr>
<td>How Active is Your Fund Manager?</td>
<td>Cremers</td>
<td>28</td>
</tr>
<tr>
<td>How to Be a More Effective Leader</td>
<td>Crant</td>
<td>29</td>
</tr>
<tr>
<td>Lecture Title</td>
<td>Lecturer</td>
<td>Page #</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>------------</td>
<td>--------</td>
</tr>
<tr>
<td>Immigrants, Social Investments, and Social Capital: A Mexican Immigrant Case Study</td>
<td>Richman</td>
<td>29</td>
</tr>
<tr>
<td>Making Better Decisions at Work</td>
<td>Crant</td>
<td>32</td>
</tr>
<tr>
<td>Managing the Foreign Exchange Risk in International Operations</td>
<td>Rivera</td>
<td>32</td>
</tr>
<tr>
<td>Marketing and the Common Good: Essays from Notre Dame on Societal Impact</td>
<td>Murphy</td>
<td>33</td>
</tr>
<tr>
<td>Musical Leadership in the World of Business and Innovation</td>
<td>Dye</td>
<td>33</td>
</tr>
<tr>
<td>Only the Strong Can Be Gentle: Toward Spirituality for Leadership</td>
<td>Nuzzi</td>
<td>35</td>
</tr>
<tr>
<td>Our Growing National Debt and What It Means for Our Economic Future</td>
<td>Pries</td>
<td>35</td>
</tr>
<tr>
<td>Public-Private Partnerships</td>
<td>Haldar</td>
<td>36</td>
</tr>
<tr>
<td>Recent Catholic Social Thought: A Spirituality for Business Life</td>
<td>Williams</td>
<td>37</td>
</tr>
<tr>
<td>Reputation Management</td>
<td>O’Rourke</td>
<td>38</td>
</tr>
<tr>
<td>Tax Dollars for Foreign Aid: ?? Going Down a Rat Hole?</td>
<td>Streit</td>
<td>40</td>
</tr>
<tr>
<td>The Adoption of IFRS by Public Corporations in the World</td>
<td>Rivera</td>
<td>40</td>
</tr>
<tr>
<td>The Costs and Benefits of Reducing Carbon Emissions</td>
<td>R. Jensen</td>
<td>42</td>
</tr>
<tr>
<td>The Taxing Task of Taxing Transnationals</td>
<td>Gresik</td>
<td>47</td>
</tr>
<tr>
<td>The UN Global Compact—The Sustainable Development Goals and the Common Good</td>
<td>Williams</td>
<td>47</td>
</tr>
<tr>
<td>What Difference Does Caring Make in Business and Healthcare?</td>
<td>Vachon</td>
<td>49</td>
</tr>
<tr>
<td>What Happens to Your Property When You Die? The Benefits of Estate Planning</td>
<td>Kelly</td>
<td>49</td>
</tr>
</tbody>
</table>

**CATHOLICISM/WORLD RELIGIONS/ SPIRITUALITY**

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>A God of Life, a Civilization of Love: Globalization, Justice, and Catholic Social Teaching</td>
<td>Groody</td>
<td>16</td>
</tr>
<tr>
<td>A More Powerful Sorcerer? Magic and Conversion in a Haitian Transnational Community</td>
<td>Richman</td>
<td>16</td>
</tr>
<tr>
<td>A Pope on the Margins: Pope Francis’s Vision for the Church</td>
<td>Ashley</td>
<td>16</td>
</tr>
<tr>
<td>Beautiful Ugliness and Christianity</td>
<td>Roche</td>
<td>18</td>
</tr>
<tr>
<td>Business in Light of Catholic Social Teaching</td>
<td>Cremers</td>
<td>19</td>
</tr>
<tr>
<td>Catholic Schools and Education Reform</td>
<td>N. Garnett</td>
<td>20</td>
</tr>
<tr>
<td>Catholic Schools and the New Evangelization</td>
<td>Nuzzi</td>
<td>20</td>
</tr>
<tr>
<td>Catholic Women as Theologians and Preachers</td>
<td>Cannon</td>
<td>20</td>
</tr>
<tr>
<td>Did the Founding Fathers Intend to Separate Church from State?</td>
<td>Muñoz</td>
<td>23</td>
</tr>
<tr>
<td>Does Religion Cause Violence? What is the Role of Religion in Peacebuilding?</td>
<td>Omer</td>
<td>23</td>
</tr>
<tr>
<td>Does Religion Do More to Divide or Unite Americans?</td>
<td>Campbell</td>
<td>23</td>
</tr>
<tr>
<td>Ecology and Theology</td>
<td>Deane-Drummond</td>
<td>24</td>
</tr>
<tr>
<td>Entrusted in Faith: Parents, Children, and Catholic Schools</td>
<td>Frabutt</td>
<td>25</td>
</tr>
<tr>
<td>Facing Changes in the Church: Lay Service, Lay Power</td>
<td>Cannon</td>
<td>25</td>
</tr>
<tr>
<td>Faith, Music, Mass, Action: What’s the Connection?</td>
<td>Driscoll</td>
<td>26</td>
</tr>
<tr>
<td>Faith Taking Shape: Early Christianity and the Arts</td>
<td>T. Noble</td>
<td>26</td>
</tr>
<tr>
<td>Galileo and His Science in Images</td>
<td>Hahn</td>
<td>26</td>
</tr>
<tr>
<td>Human Rights and the Catholic Church, from Saint Francis to Pope Francis</td>
<td>Carozza</td>
<td>29</td>
</tr>
<tr>
<td>Is Religious Freedom Still Our “First Freedom”? Understanding the Separation of Church and State Today</td>
<td>R. Garnett</td>
<td>30</td>
</tr>
<tr>
<td>Islam, the Catholic Church, and the Future of the World</td>
<td>Reynolds</td>
<td>30</td>
</tr>
<tr>
<td>Lecture Title</td>
<td>Lecturer</td>
<td>Page #</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>------------</td>
<td>--------</td>
</tr>
<tr>
<td>Latino Catholicism: Transformation in America’s Largest Church</td>
<td>Matovina</td>
<td>31</td>
</tr>
<tr>
<td>Latinos, Education, and the Church</td>
<td>Fraga</td>
<td>31</td>
</tr>
<tr>
<td>Laudato Si’: How Pope Francis Enlists Saint Francis of Assisi to Help Us Address Climate Change</td>
<td>Ashley</td>
<td>31</td>
</tr>
<tr>
<td>Leonardo da Vinci: Painter of Mysteries</td>
<td>Rosenberg</td>
<td>31</td>
</tr>
<tr>
<td>Lost Classroom, Lost Community</td>
<td>N. Garnett</td>
<td>32</td>
</tr>
<tr>
<td>Mary in the Bible and in Catholic Faith</td>
<td>Matovina</td>
<td>33</td>
</tr>
<tr>
<td>Miracles</td>
<td>Cavadini</td>
<td>33</td>
</tr>
<tr>
<td>Notre Dame’s Catholic Witness: On Campus and in the Public Square</td>
<td>Snead</td>
<td>34</td>
</tr>
<tr>
<td>Only the Strong Can Be Gentle: Toward Spirituality for Leadership</td>
<td>Nuzzi</td>
<td>35</td>
</tr>
<tr>
<td>Our Lady of Guadalupe: Faith and Tradition</td>
<td>Matovina</td>
<td>35</td>
</tr>
<tr>
<td>Race, Perseverance, and Catholicism (Evidence from National Black Catholic Survey)</td>
<td>Davis</td>
<td>37</td>
</tr>
<tr>
<td>Recent Catholic Social Thought: A Spirituality for Business Life</td>
<td>Williams</td>
<td>37</td>
</tr>
<tr>
<td>Religion and Intellectuals</td>
<td>Roche</td>
<td>37</td>
</tr>
<tr>
<td>Religion at the Epicenter: Facts and Fables</td>
<td>Richman</td>
<td>38</td>
</tr>
<tr>
<td>Science vs. Religion: The Compatibility and Complementary Flourishing of Catholicism and the Natural Sciences</td>
<td>Gregory</td>
<td>39</td>
</tr>
<tr>
<td>The Bible and the Qur’an</td>
<td>Reynolds</td>
<td>41</td>
</tr>
<tr>
<td>The Church</td>
<td>Cavadini</td>
<td>41</td>
</tr>
<tr>
<td>The Eucharist As the Embodiment of Love</td>
<td>Driscoll</td>
<td>42</td>
</tr>
<tr>
<td>The Francis Effect and Mercy</td>
<td>Driscoll</td>
<td>43</td>
</tr>
<tr>
<td>The Future of Jerusalem: Peace or Apocalypse?</td>
<td>Omer</td>
<td>43</td>
</tr>
<tr>
<td>The HHS Contraceptive Mandate and Religious Liberty</td>
<td>Snead</td>
<td>43</td>
</tr>
<tr>
<td>The Impact of the Dead Sea Scrolls on Our Bible</td>
<td>Ulrich</td>
<td>43</td>
</tr>
<tr>
<td>The Origins of Monumentary Architecture in Greece</td>
<td>Rhodes</td>
<td>45</td>
</tr>
<tr>
<td>The Reformation Era and the Makings of Modernity</td>
<td>Gregory</td>
<td>45</td>
</tr>
<tr>
<td>The Rise of Secularism in America</td>
<td>Campbell</td>
<td>46</td>
</tr>
<tr>
<td>The Writing of the Gospels</td>
<td>Matovina</td>
<td>47</td>
</tr>
<tr>
<td>“They say he has sold himself to the devil for a pretty face.” Narcissism in Oscar Wilde’s The Picture of Dorian Gray</td>
<td>Profit</td>
<td>48</td>
</tr>
<tr>
<td>Who Won the Bible War?</td>
<td>Przybyszewski</td>
<td>50</td>
</tr>
<tr>
<td>Why History Matters for Catholics</td>
<td>Gregory</td>
<td>51</td>
</tr>
</tbody>
</table>

**COMMUNICATIONS**

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do Men and Women Speak in Two Different Tongues? If So, Why?</td>
<td>McKenna</td>
<td>23</td>
</tr>
<tr>
<td>“Employee-Care Zones”: Ten Best Practices for Creating One in an Organization</td>
<td>Crowell</td>
<td>25</td>
</tr>
<tr>
<td>Giving A “Last Lecture”</td>
<td>Hums</td>
<td>27</td>
</tr>
<tr>
<td>Grandma “Friended” Me on Facebook?! Making Sense of Social Media</td>
<td>Angst</td>
<td>28</td>
</tr>
<tr>
<td>Guided Self Development—A Mentoring Approach to Effective Management and Leadership</td>
<td>Crowell</td>
<td>28</td>
</tr>
<tr>
<td>How to Be a More Effective Leader</td>
<td>Crant</td>
<td>29</td>
</tr>
<tr>
<td>Intercultural Communication</td>
<td>O’Rourke</td>
<td>30</td>
</tr>
<tr>
<td>Making Better Decisions at Work</td>
<td>Crant</td>
<td>32</td>
</tr>
</tbody>
</table>

**CURRENT AFFAIRS**

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Look at Baseball’s Handling of “A Fistful of Dollars”—MLB’s System of Salary Arbitration</td>
<td>Edmonds</td>
<td>16</td>
</tr>
<tr>
<td>Academic Entrepreneurship</td>
<td>R. Jensen</td>
<td>17</td>
</tr>
<tr>
<td>Can Virtue Be Taught? Moral and Character Education in America</td>
<td>Power</td>
<td>19</td>
</tr>
<tr>
<td>Community Safety and Youth Violence Prevention: A Focus on Schools</td>
<td>Frabutt</td>
<td>22</td>
</tr>
<tr>
<td>Facing Changes in the Church: Lay Service, Lay Power</td>
<td>Cannon</td>
<td>25</td>
</tr>
<tr>
<td>Lecture Title</td>
<td>Lecturer</td>
<td>Page #</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>--------------</td>
<td>--------</td>
</tr>
<tr>
<td>Latino Catholicism: Transformation in America's Largest Church</td>
<td>Matovina</td>
<td>31</td>
</tr>
<tr>
<td>Mexican Migration: Then and Now</td>
<td>Cárdenas</td>
<td>33</td>
</tr>
<tr>
<td>Princess Culture</td>
<td>Ohmer</td>
<td>36</td>
</tr>
<tr>
<td>Run From the Earthquake, Fall into the Abyss: A Léogane Paradox</td>
<td>Richman</td>
<td>38</td>
</tr>
<tr>
<td>The American Constitutional Tradition: Historic Strengths and Current Challenges</td>
<td>Nicgorski</td>
<td>40</td>
</tr>
<tr>
<td>The Challenges of Peacebuilding in a World of Violence</td>
<td>Lopez</td>
<td>41</td>
</tr>
<tr>
<td>The Changing American Voter in 2016 and Beyond</td>
<td>Fraga</td>
<td>41</td>
</tr>
<tr>
<td>The Church</td>
<td>Cavadini</td>
<td>41</td>
</tr>
<tr>
<td>The Current State of Intercollegiate Athletics</td>
<td>Edmonds</td>
<td>42</td>
</tr>
<tr>
<td>The National Football League’s Legal Challenges</td>
<td>Edmonds</td>
<td>45</td>
</tr>
<tr>
<td>The Role of Sports in American Culture</td>
<td>Coleman</td>
<td>46</td>
</tr>
<tr>
<td>The Supreme Court: Current Controversies</td>
<td>Barrett</td>
<td>46</td>
</tr>
<tr>
<td>What is Human Dignity and Why Does It Matter?</td>
<td>Carozza</td>
<td>50</td>
</tr>
<tr>
<td>What Should We Fight For?</td>
<td>Desch</td>
<td>50</td>
</tr>
<tr>
<td><strong>EDUCATION</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Catholic Schools and Education Reform</td>
<td>N. Garnett</td>
<td>20</td>
</tr>
<tr>
<td>Catholic Schools and the New Evangelization</td>
<td>Nuzzi</td>
<td>20</td>
</tr>
<tr>
<td>China’s “Confucius Institutes” and the American Academy: Money, Politics, Persuasion, and Propaganda</td>
<td>L. Jensen</td>
<td>20</td>
</tr>
<tr>
<td>Community Safety and Youth Violence Prevention: A Focus on Schools</td>
<td>Frabutt</td>
<td>22</td>
</tr>
<tr>
<td>Entrusted in Faith: Parents, Children, and Catholic Schools</td>
<td>Frabutt</td>
<td>25</td>
</tr>
<tr>
<td>Keeping the Faith: Catholic Higher Education in the 21st Century</td>
<td>O’Hara</td>
<td>31</td>
</tr>
<tr>
<td>Latinos, Education, and the Church</td>
<td>Fraga</td>
<td>31</td>
</tr>
<tr>
<td>Limitations to Teaching 2 + 2 = 4</td>
<td>McNeil</td>
<td>32</td>
</tr>
<tr>
<td>Lost Classroom, Lost Community</td>
<td>N. Garnett</td>
<td>32</td>
</tr>
<tr>
<td>Math or Magic?</td>
<td>Hind</td>
<td>33</td>
</tr>
<tr>
<td>Moral and Character Education in Schools</td>
<td>Lapsley</td>
<td>33</td>
</tr>
<tr>
<td>Play Like a Champion Today: Putting Fun and Virtue First in Youth Sports</td>
<td>Power</td>
<td>35</td>
</tr>
<tr>
<td>Risk-Taking in Adolescence</td>
<td>Lapsley</td>
<td>38</td>
</tr>
<tr>
<td>Save Our Schools, Save Our Country, and Save Your Family</td>
<td>Collier</td>
<td>39</td>
</tr>
<tr>
<td>Small Differences in the Structure of Children’s Input Can “Add Up”</td>
<td>McNeil</td>
<td>39</td>
</tr>
<tr>
<td>The Morality of the Liberal Arts</td>
<td>Nicgorski</td>
<td>44</td>
</tr>
<tr>
<td>This Is Not Your Father’s Classroom: Adapting Teaching Methods to the Ever-Changing World</td>
<td>Dobrowolska-Furdyna</td>
<td>48</td>
</tr>
<tr>
<td>Truth in Numbers: From Notre Dame Football to The Da Vinci Code</td>
<td>Hahn</td>
<td>48</td>
</tr>
<tr>
<td>Who Won the Bible War?</td>
<td>Przybyszewski</td>
<td>50</td>
</tr>
<tr>
<td><strong>ENVIRONMENT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>America the Beautiful</td>
<td>Nagle</td>
<td>17</td>
</tr>
<tr>
<td>American Wilderness and Its Challenges</td>
<td>Coleman</td>
<td>17</td>
</tr>
<tr>
<td>China’s Environmental Disaster</td>
<td>Nagle</td>
<td>21</td>
</tr>
<tr>
<td>Climate Change in Urban Areas: Chicago as an Example</td>
<td>Fernando</td>
<td>22</td>
</tr>
<tr>
<td>Deciding to Be Green</td>
<td>Carlson</td>
<td>22</td>
</tr>
<tr>
<td>Ecology and Theology</td>
<td>Deane-Drummond</td>
<td>24</td>
</tr>
<tr>
<td>Economic Growth and Environmental Crisis in China</td>
<td>Kim</td>
<td>24</td>
</tr>
<tr>
<td>Electrification of the Transport Sector: Challenges and Opportunities</td>
<td>Gupta</td>
<td>24</td>
</tr>
<tr>
<td>Laudato Si’: How Pope Francis Enlists Saint Fancis of Assisi to Help Us Address Climate Change</td>
<td>Ashley</td>
<td>31</td>
</tr>
<tr>
<td>Lecture Title</td>
<td>Lecturer</td>
<td>Page #</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>------------</td>
<td>--------</td>
</tr>
<tr>
<td>Observations Following the Sumatra Tsunami in Sri Lanka</td>
<td>Fernando</td>
<td>35</td>
</tr>
<tr>
<td>Outrageous Energy Prices</td>
<td>Gresik</td>
<td>35</td>
</tr>
<tr>
<td>Powering the Planet in a Carbon-Constrained World</td>
<td>Maginn</td>
<td>36</td>
</tr>
<tr>
<td>Preventing Coastal “Dead Zones” from a Distance</td>
<td>Tank</td>
<td>36</td>
</tr>
<tr>
<td>The Costs and Benefits of Reducing Carbon Emissions</td>
<td>R. Jensen</td>
<td>42</td>
</tr>
<tr>
<td>The Global Freshwater Crisis—Challenges and Solutions</td>
<td>Lamberti</td>
<td>43</td>
</tr>
<tr>
<td>The Incredible Saga of Pacific Salmon</td>
<td>Lamberti</td>
<td>44</td>
</tr>
</tbody>
</table>

**ETHICS/SOCIAL CONCERNS**

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advising the White House on Public Bioethics: <em>The Role of General Counsel to the President’s Council on Bioethics</em></td>
<td>Sneed</td>
<td>17</td>
</tr>
<tr>
<td>Can Virtue Be Taught? <em>Moral and Character Education in America</em></td>
<td>Power</td>
<td>19</td>
</tr>
<tr>
<td>Ethical Business in the 21st Century</td>
<td>Murphy</td>
<td>25</td>
</tr>
<tr>
<td>Global Issues and Catholic Social Teaching</td>
<td>Kim</td>
<td>27</td>
</tr>
<tr>
<td>Global Poverty Gap—What Does It Take to Eradicate?</td>
<td>Kim</td>
<td>27</td>
</tr>
<tr>
<td>Human Dignity in American Law and Policy</td>
<td>Sneed</td>
<td>29</td>
</tr>
<tr>
<td>Human Rights and the Catholic Church, from Saint Francis to Pope Francis</td>
<td>Carozza</td>
<td>29</td>
</tr>
<tr>
<td>Marketing and the Common Good: <em>Essays from Notre Dame on Societal Impact</em></td>
<td>Murphy</td>
<td>33</td>
</tr>
<tr>
<td>Moral and Character Education in Schools</td>
<td>Lapsley</td>
<td>33</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>No One is an Island</td>
<td>Streit</td>
<td>34</td>
</tr>
<tr>
<td>Notre Dame and the Fight Against Extreme Poverty</td>
<td>Dowd</td>
<td>34</td>
</tr>
<tr>
<td>Notre Dame’s Catholic Witness: <em>On Campus and in the Public Square</em></td>
<td>Snead</td>
<td>34</td>
</tr>
<tr>
<td>Parental Choice: <em>An Issue of Social Justice</em></td>
<td>O’Hara</td>
<td>35</td>
</tr>
<tr>
<td>Serving the Least, the Last, the Lost, and the Lonely I &amp; II</td>
<td>Link</td>
<td>39</td>
</tr>
<tr>
<td>The Corner of Notre Dame Avenue and Main Street: Community-Engaged Scholarship at Notre Dame</td>
<td>Frabutt</td>
<td>42</td>
</tr>
<tr>
<td>The Foreign Corrupt Practices Act (FCPA)</td>
<td>Rivera</td>
<td>42</td>
</tr>
<tr>
<td>The Humanity of Animals and the Animality of Humans</td>
<td>Fuentes</td>
<td>43</td>
</tr>
<tr>
<td>The Lab for Economic Opportunities (LEO): <em>Where Academics Join Service Providers in the Fight Against Poverty</em></td>
<td>Evans or Sullivan</td>
<td>44</td>
</tr>
<tr>
<td>The Law, Ethics, and Policy of Abortion</td>
<td>Sneed</td>
<td>44</td>
</tr>
<tr>
<td>The Law, Ethics, and Policy of Assisted Suicide, Euthanasia, and End-of-Life Decision-Making</td>
<td>Sneed</td>
<td>44</td>
</tr>
<tr>
<td>The Law, Ethics, and Policy of Stem Cell Research and Human Cloning</td>
<td>Sneed</td>
<td>44</td>
</tr>
<tr>
<td>The Morality of the Liberal Arts</td>
<td>Nicgorski</td>
<td>44</td>
</tr>
<tr>
<td>The Role of Science in Making Law and Policy: <em>The Case of Public Bioethics</em></td>
<td>Sneed</td>
<td>46</td>
</tr>
<tr>
<td>The UN Global Compact—<em>The Sustainable Development Goals and the Common Good</em></td>
<td>Williams</td>
<td>47</td>
</tr>
<tr>
<td>What is Human Dignity and Why Does It Matter?</td>
<td>Carozza</td>
<td>50</td>
</tr>
<tr>
<td>What is Science Saying About Compassion and What Difference Does It Make in Our Daily Lives?</td>
<td>Vachon</td>
<td>50</td>
</tr>
<tr>
<td>What Race Is and What it is Not</td>
<td>Fuentes</td>
<td>50</td>
</tr>
<tr>
<td>Who’s Watching Me? <em>What “Big Data” Means to All of Us</em></td>
<td>Angst</td>
<td>51</td>
</tr>
<tr>
<td>Lecture Title</td>
<td>Lecturer</td>
<td>Page #</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>------------</td>
<td>--------</td>
</tr>
<tr>
<td>FAMILY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are You Resilient? How to “Bounce Back” from Adversity</td>
<td>Bergeman</td>
<td>18</td>
</tr>
<tr>
<td>Bees Do It, Birds Do It—Are Humans Any Different?</td>
<td>Fuentes</td>
<td>18</td>
</tr>
<tr>
<td>Changing Concepts of Infant Care and Parenting: Sleeping With Baby, Breastfeeding, and Infant Sleep Position</td>
<td>McKenna</td>
<td>20</td>
</tr>
<tr>
<td>How Parents Can Support Child Cognitive and Emotional Development Through Reminiscing</td>
<td>Valentino</td>
<td>28</td>
</tr>
<tr>
<td>Save Our Schools, Save Our Country, and Save Your Family</td>
<td>Collier</td>
<td>39</td>
</tr>
<tr>
<td>The Birth of Modern Family Law</td>
<td>Cushman</td>
<td>41</td>
</tr>
<tr>
<td>The Perils and Promise of Adolescence</td>
<td>Lapsley</td>
<td>45</td>
</tr>
<tr>
<td>The Society That Mistook Its Children for Bats</td>
<td>McKenna</td>
<td>46</td>
</tr>
<tr>
<td>GLOBALIZATION/INTERCULTURAL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A God of Life, a Civilization of Love: Globalization, Justice, and Catholic Social Teaching</td>
<td>Groody</td>
<td>16</td>
</tr>
<tr>
<td>A More Powerful Sorcerer? Magic and Conversion in a Haitian Transnational Community</td>
<td>Richman</td>
<td>16</td>
</tr>
<tr>
<td>China, Tibet, and Taiwan: A Fateful Triangle</td>
<td>L. Jensen</td>
<td>20</td>
</tr>
<tr>
<td>China’s “Confucius Institutes” and the American Academy: Money, Politics, Persuasion, and Propaganda</td>
<td>L. Jensen</td>
<td>20</td>
</tr>
<tr>
<td>China’s Cultural Scene</td>
<td>J. Noble</td>
<td>21</td>
</tr>
<tr>
<td>China’s Environmental Disaster</td>
<td>Nagle</td>
<td>21</td>
</tr>
<tr>
<td>China’s Global Impact</td>
<td>J. Noble</td>
<td>21</td>
</tr>
<tr>
<td>Demographics and the Global Economy</td>
<td>Mark</td>
<td>22</td>
</tr>
<tr>
<td>Dying to Live: Theological Perspectives on Migrants and Refugees</td>
<td>Groody</td>
<td>24</td>
</tr>
<tr>
<td>Economic Growth and Environmental Crisis in China</td>
<td>Kim</td>
<td>24</td>
</tr>
<tr>
<td>Lecture Title</td>
<td>Lecturer</td>
<td>Page #</td>
</tr>
<tr>
<td>Emergent World Power: China’s 21st Century Revolution</td>
<td>L. Jensen</td>
<td>24</td>
</tr>
<tr>
<td>Fighting for Global Health: The Eck Institute for Global Health</td>
<td>McDowell or Mobashery</td>
<td>26</td>
</tr>
<tr>
<td>Global Issues and Catholic Social Teaching</td>
<td>Kim</td>
<td>27</td>
</tr>
<tr>
<td>Global Poverty Gap—What Does It Take to Eradicate?</td>
<td>Kim</td>
<td>27</td>
</tr>
<tr>
<td>Immigrants, Social Investments, and Social Capital: A Mexican Immigrant Case Study</td>
<td>Richman</td>
<td>29</td>
</tr>
<tr>
<td>Intercultural Communication</td>
<td>O'Rourke</td>
<td>30</td>
</tr>
<tr>
<td>Managing the Foreign Exchange Risk in International Operations</td>
<td>Rivera</td>
<td>32</td>
</tr>
<tr>
<td>Mexican Migration: Then and Now</td>
<td>Cárdenas</td>
<td>33</td>
</tr>
<tr>
<td>Our Lady of Guadalupe: Faith and Tradition</td>
<td>Matovina</td>
<td>35</td>
</tr>
<tr>
<td>Powering the Planet in a Carbon-Constrained World</td>
<td>Maginn</td>
<td>36</td>
</tr>
<tr>
<td>Race, Perseverance, and Catholicism (Evidence from National Black Catholic Survey)</td>
<td>Davis</td>
<td>37</td>
</tr>
<tr>
<td>Tax Dollars for Foreign Aid: $$ Going Down a Rat Hole?</td>
<td>Streit</td>
<td>40</td>
</tr>
<tr>
<td>The Challenges of Peacebuilding in a World of Violence</td>
<td>Lopez</td>
<td>41</td>
</tr>
<tr>
<td>The Global Freshwater Crisis—Challenges and Solutions</td>
<td>Lamberti</td>
<td>43</td>
</tr>
<tr>
<td>The Political Economy of the U.S. and China’s Relationship in the New Century</td>
<td>Kim</td>
<td>45</td>
</tr>
<tr>
<td>The UN Global Compact—The Sustainable Development Goals and the Common Good</td>
<td>Williams</td>
<td>47</td>
</tr>
<tr>
<td>Two Koreas: Current Issues in Geopolitical Tensions in East Asia</td>
<td>Kim</td>
<td>49</td>
</tr>
<tr>
<td>Understanding China’s Hard Power: Expansion, Cyberwarfare, and Intimidation</td>
<td>L. Jensen</td>
<td>49</td>
</tr>
<tr>
<td>Western Civilization: What a Good Idea</td>
<td>T. Noble</td>
<td>49</td>
</tr>
<tr>
<td>Lecture Title</td>
<td>Lecturer</td>
<td>Page #</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>------------</td>
<td>--------</td>
</tr>
<tr>
<td>What Race Is and What It Is Not</td>
<td>Fuentes</td>
<td>50</td>
</tr>
<tr>
<td>Why the United States and China Are On a Collision Course</td>
<td>Rosato</td>
<td>51</td>
</tr>
</tbody>
</table>

**GOVERNMENT/LAW/POLITICS**

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Guided Tour of the Constitution of the United States</td>
<td>R. Garnett</td>
<td>16</td>
</tr>
<tr>
<td>Advising the White House on Public Bioethics: The Role of General Counsel to the President’s Council on Bioethics</td>
<td>Snead</td>
<td>17</td>
</tr>
<tr>
<td>Baseball’s Interesting Relationship with the U.S. Supreme Court</td>
<td>Edmonds</td>
<td>18</td>
</tr>
<tr>
<td>Being Atticus Finch</td>
<td>Link</td>
<td>19</td>
</tr>
<tr>
<td>Can Roe v. Wade Be Overturned? If Not, What Alternatives or Strategies Are Available to Protect Unborn Life in America?</td>
<td>Koomers</td>
<td>19</td>
</tr>
<tr>
<td>China, Tibet, and Taiwan: A Fateful Triangle</td>
<td>L. Jensen</td>
<td>20</td>
</tr>
<tr>
<td>Congress Isn’t Broken</td>
<td>Nagle</td>
<td>22</td>
</tr>
<tr>
<td>Did the Founding Fathers Intend to Separate Church from State?</td>
<td>Muñoz</td>
<td>23</td>
</tr>
<tr>
<td>Does Religion Cause Violence? What is the Role of Religion in Peacebuilding?</td>
<td>Omer</td>
<td>23</td>
</tr>
<tr>
<td>Emergent World Power: China’s 21st Century Revolution</td>
<td>L. Jensen</td>
<td>24</td>
</tr>
<tr>
<td>FDR and the Court-Packing Showdown</td>
<td>Cushman</td>
<td>26</td>
</tr>
<tr>
<td>From John Jay to John Roberts: The Evolution of the Supreme Court</td>
<td>Barrett</td>
<td>26</td>
</tr>
<tr>
<td>Germany’s Basic Law and the U.S. Constitution: A Critical Comparison</td>
<td>Koomers</td>
<td>27</td>
</tr>
<tr>
<td>Global Poverty Gap—What Does It Take to Eradicate?</td>
<td>Kim</td>
<td>27</td>
</tr>
<tr>
<td>Human Dignity in American Law and Policy</td>
<td>Snead</td>
<td>29</td>
</tr>
<tr>
<td>Is Religious Freedom Still Our “First Freedom”? Understanding the Separation of Church and State Today</td>
<td>R. Garnett</td>
<td>30</td>
</tr>
<tr>
<td>Lame Ducks</td>
<td>Nagle</td>
<td>31</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notre Dame v. Obamacare: Our Lady’s University’s Fight for Religious Freedom</td>
<td>Muñoz</td>
<td>34</td>
</tr>
<tr>
<td>Our Growing National Debt and What It Means for Our Economic Future</td>
<td>Pries</td>
<td>35</td>
</tr>
<tr>
<td>Outrageous Energy Prices</td>
<td>Gresik</td>
<td>35</td>
</tr>
<tr>
<td>Presidential Elections on Film and Television</td>
<td>Ohmer</td>
<td>36</td>
</tr>
<tr>
<td>Private Property and Public Use: The Debate Over Eminent Domain</td>
<td>Kelly</td>
<td>36</td>
</tr>
<tr>
<td>Russia After Communism: Friend or Foe? Democratic or Authoritarian? European or “Eurasian”?</td>
<td>Martin</td>
<td>38</td>
</tr>
<tr>
<td>Serving the Least, the Last, the Lost, and the Lonely I &amp; II</td>
<td>Link</td>
<td>39</td>
</tr>
<tr>
<td>The Adoption of IFRS by Public Corporations in the World</td>
<td>Rivera</td>
<td>40</td>
</tr>
<tr>
<td>The American Constitutional Tradition: Historic Strengths and Current Challenges</td>
<td>Nicgorski</td>
<td>40</td>
</tr>
<tr>
<td>The Birth of Modern Family Law</td>
<td>Cushman</td>
<td>41</td>
</tr>
<tr>
<td>The Changing American Voter in 2016 and Beyond</td>
<td>Fraga</td>
<td>41</td>
</tr>
<tr>
<td>The Federalist Papers: A Unique and American Great Book</td>
<td>Nicgorski</td>
<td>42</td>
</tr>
<tr>
<td>The Foreign Corrupt Practices Act (FCPA)</td>
<td>Rivera</td>
<td>42</td>
</tr>
<tr>
<td>The Future of Jerusalem: Peace or Apocalypse?</td>
<td>Omer</td>
<td>43</td>
</tr>
<tr>
<td>The HHS Contraceptive Mandate and Religious Liberty</td>
<td>Snead</td>
<td>43</td>
</tr>
<tr>
<td>The Law, Ethics, and Policy of Abortion</td>
<td>Snead</td>
<td>44</td>
</tr>
<tr>
<td>The Law, Ethics, and Policy of Assisted Suicide, Euthanasia, and End-of-Life Decision-Making</td>
<td>Snead</td>
<td>44</td>
</tr>
<tr>
<td>The Law, Ethics, and Policy of Stem Cell Research and Human Cloning</td>
<td>Snead</td>
<td>44</td>
</tr>
<tr>
<td>Lecture Title</td>
<td>Lecturer</td>
<td>Page #</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>-----------</td>
<td>--------</td>
</tr>
<tr>
<td>The Role of Science in Making Law and Policy: <em>The Case of Public Bioethics</em></td>
<td>Snead</td>
<td>46</td>
</tr>
<tr>
<td>The Supreme Court: Current Controversies</td>
<td>Barrett</td>
<td>46</td>
</tr>
<tr>
<td>The Taxing Task of Taxing Transnationals</td>
<td>Gresik</td>
<td>47</td>
</tr>
<tr>
<td>The U.S. Constitution: <em>A Broken Document in Need of Change</em></td>
<td>Kommers</td>
<td>47</td>
</tr>
<tr>
<td>Theodore Roosevelt and the Modern American Presidency</td>
<td>Arnold</td>
<td>48</td>
</tr>
<tr>
<td>Two Koreas: <em>Current Issues in Geopolitical Tensions in East Asia</em></td>
<td>Kim</td>
<td>49</td>
</tr>
<tr>
<td>What Happens to Your Property When You Die? The Benefits of Estate Planning</td>
<td>Kelly</td>
<td>49</td>
</tr>
<tr>
<td>What Should We Fight For?</td>
<td>Desch</td>
<td>50</td>
</tr>
<tr>
<td>What Would James Madison Do?</td>
<td>Barrett</td>
<td>50</td>
</tr>
<tr>
<td>Women’s Rights are Human Rights: <em>A Global Philosophy</em></td>
<td>Botting</td>
<td>51</td>
</tr>
</tbody>
</table>

### HEALTH

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aging Successfully</td>
<td>Bergeman</td>
<td>17</td>
</tr>
<tr>
<td>Antioxidants: Friend or Foe of Cancer Cells?</td>
<td>Schafer</td>
<td>18</td>
</tr>
<tr>
<td>Can Roe v. Wade be Overturned?</td>
<td>Kommers</td>
<td>19</td>
</tr>
<tr>
<td>Emerging Hotspots of Multi-Drug Resistant Malaria</td>
<td>Ferdig</td>
<td>24</td>
</tr>
<tr>
<td>Fighting Cancer: Understanding Mechanisms of Cancer Progression</td>
<td>D’Souza-Schorey</td>
<td>26</td>
</tr>
<tr>
<td>Fighting for Global Health: <em>The Eck Institute for Global Health</em></td>
<td>McDowell or Mobashery</td>
<td>26</td>
</tr>
<tr>
<td>Got Fakes?</td>
<td>Lieberman</td>
<td>27</td>
</tr>
<tr>
<td>Hijacking your Immune System: <em>How Intracellular Parasites Survive</em></td>
<td>McDowell</td>
<td>28</td>
</tr>
<tr>
<td>How Methicillin-Resistant Staphylococcus Aureus (MRSA) Has Become a Global Clinical Scourge</td>
<td>Mobashery</td>
<td>28</td>
</tr>
</tbody>
</table>

### HISTORY

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>A History of Financial Crises</td>
<td>R. Jensen</td>
<td>16</td>
</tr>
<tr>
<td>A Superb Statesman and Thinker: Cicero’s Achievements in the Roman Republic</td>
<td>Nicgorski</td>
<td>17</td>
</tr>
<tr>
<td>America the Beautiful</td>
<td>Nagle</td>
<td>17</td>
</tr>
<tr>
<td>American Wilderness and Its Challenges</td>
<td>Coleman</td>
<td>17</td>
</tr>
<tr>
<td>Cars and Stars</td>
<td>Dye</td>
<td>20</td>
</tr>
<tr>
<td>Lecture Title</td>
<td>Lecturer</td>
<td>Page #</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------</td>
<td>--------</td>
</tr>
<tr>
<td>Catholic Women as Theologians and Preachers</td>
<td>Cannon</td>
<td>20</td>
</tr>
<tr>
<td>Church Architecture for the Poor?</td>
<td>Stroik</td>
<td>21</td>
</tr>
<tr>
<td>Classical Perspectives on Friendship and Aging</td>
<td>Nicgorski</td>
<td>21</td>
</tr>
<tr>
<td>Creating an American Identity: American Indians and the Co-Opting of Identity</td>
<td>Collier</td>
<td>22</td>
</tr>
<tr>
<td>Don’t Know Much About History</td>
<td>Przybyszewski</td>
<td>23</td>
</tr>
<tr>
<td>Einstein: How One Mild-Mannered Physicist Changed the Way We Understand Our World</td>
<td>Wayne</td>
<td>24</td>
</tr>
<tr>
<td>Ernest Hemingway—In Our Time</td>
<td>Brogan</td>
<td>25</td>
</tr>
<tr>
<td>Europe’s Revolutionary Spring: 1848</td>
<td>Deak</td>
<td>25</td>
</tr>
<tr>
<td>FDR and the Court-Packing Showdown</td>
<td>Cushman</td>
<td>26</td>
</tr>
<tr>
<td>From John Jay to John Roberts: The Evolution of the Supreme Court</td>
<td>Barrett</td>
<td>26</td>
</tr>
<tr>
<td>God, Country, and Notre Dame</td>
<td>Collier</td>
<td>27</td>
</tr>
<tr>
<td>How Two Brothers Started an Age of Revolution</td>
<td>Griffin</td>
<td>29</td>
</tr>
<tr>
<td>Islam, the Catholic Church, and the Future of the World</td>
<td>Reynolds</td>
<td>30</td>
</tr>
<tr>
<td>Lessons from Music and the Olympics</td>
<td>Dye</td>
<td>31</td>
</tr>
<tr>
<td>Miracles</td>
<td>Cavadini</td>
<td>33</td>
</tr>
<tr>
<td>Reconstructing Ancient Corinth</td>
<td>Rhodes</td>
<td>37</td>
</tr>
<tr>
<td>Russia After Communism: Friend or Foe? Democratic or Authoritarian? European or “Eurasian”?</td>
<td>Martin</td>
<td>38</td>
</tr>
<tr>
<td>Stone Age People in a Space Age World: Changing Concepts of Health and Illness</td>
<td>McKenna</td>
<td>40</td>
</tr>
<tr>
<td>The American Revolution in Three Paintings</td>
<td>Griffin</td>
<td>40</td>
</tr>
<tr>
<td>The Great War and the Forgotten Realm</td>
<td>Deak</td>
<td>43</td>
</tr>
<tr>
<td>The Higgs Boson: Have We Finally Discovered the “God Particle”?</td>
<td>Wayne</td>
<td>43</td>
</tr>
<tr>
<td>The Impact of the Dead Sea Scrolls on Our Bible</td>
<td>Ulrich</td>
<td>43</td>
</tr>
<tr>
<td>The Interesting Geometry of the Sydney Opera</td>
<td>Hahn</td>
<td>44</td>
</tr>
<tr>
<td>The Lost Art of Dress</td>
<td>Przybyszewski</td>
<td>44</td>
</tr>
<tr>
<td>The Religious Prints of Rembrandt: The Childhood of Christ</td>
<td>Rosenberg</td>
<td>45</td>
</tr>
<tr>
<td>The Sistine Chapel: History and Meaning</td>
<td>Rosenberg</td>
<td>46</td>
</tr>
<tr>
<td>The Traditions and Developments of the American Marching Band</td>
<td>Dye</td>
<td>47</td>
</tr>
<tr>
<td>The U.S. Constitution: A Broken Document in Need of Change</td>
<td>Kommers</td>
<td>47</td>
</tr>
<tr>
<td>Theodore Roosevelt and the Modern American Presidency</td>
<td>Arnold</td>
<td>48</td>
</tr>
<tr>
<td>Wandering Through the Rail Yard</td>
<td>Hums</td>
<td>49</td>
</tr>
<tr>
<td>Western Civilization: What a Good Idea</td>
<td>T. Noble</td>
<td>49</td>
</tr>
<tr>
<td>What Would James Madison Do?</td>
<td>Barrett</td>
<td>50</td>
</tr>
<tr>
<td>Why History Matters for Catholics</td>
<td>Gregory</td>
<td>51</td>
</tr>
<tr>
<td>Women’s Rights are Human Rights: A Global Philosophy</td>
<td>Botting</td>
<td>51</td>
</tr>
</tbody>
</table>

**HUMAN BEHAVIOR**

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Are You Resilient? How to “Bounce Back” from Adversity</td>
<td>Bergeman</td>
<td>18</td>
</tr>
<tr>
<td>Bees Do It, Birds Do It—Are Humans Any Different?</td>
<td>Fuentes</td>
<td>18</td>
</tr>
<tr>
<td>Classical Perspectives on Friendship and Aging</td>
<td>Nicgorski</td>
<td>21</td>
</tr>
<tr>
<td>Creating an American Identity: American Indians and the Co-Opting of Identity</td>
<td>Collier</td>
<td>22</td>
</tr>
<tr>
<td>Deciding to Be Green</td>
<td>Carlson</td>
<td>22</td>
</tr>
<tr>
<td>Do Men and Women Speak in Two Different Tongues? If So, Why?</td>
<td>McKenna</td>
<td>23</td>
</tr>
<tr>
<td>Grow by Focusing on What Matters: Competitive Strategy in 3-Circles</td>
<td>Urbany</td>
<td>28</td>
</tr>
<tr>
<td>How Parents Can Support Child Cognitive and Emotional Development Through Reminiscing</td>
<td>Valentino</td>
<td>28</td>
</tr>
<tr>
<td>How Stress Gets “Under the Skin”: Implications for Health and Well-Being</td>
<td>Bergeman</td>
<td>28</td>
</tr>
<tr>
<td>Lecture Title</td>
<td>Lecturer</td>
<td>Page #</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>-----------</td>
<td>--------</td>
</tr>
<tr>
<td>Human Aggression: Is It Really in the Genes?</td>
<td>McKenna</td>
<td>29</td>
</tr>
<tr>
<td>Influence and Persuasion</td>
<td>O'Rourke</td>
<td>29</td>
</tr>
<tr>
<td>“It was as a rebel that he fell.” The Abuse of Power, Scapegoating and Lying</td>
<td>Profit</td>
<td>30</td>
</tr>
<tr>
<td>in Friedrich Dürrenmatt’s Suspiclon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>It’s Not All Sex and Violence!</td>
<td>Fuentes</td>
<td>30</td>
</tr>
<tr>
<td>Limitations to Teaching 2 + 2 = 4</td>
<td>McNeil</td>
<td>32</td>
</tr>
<tr>
<td>Notre Dame’s First Faculty-in-Residence</td>
<td>Hums</td>
<td>34</td>
</tr>
<tr>
<td>Play Like a Champion Today: Putting Fun and Virtue First in Youth Sports</td>
<td>Power</td>
<td>35</td>
</tr>
<tr>
<td>Princess Culture</td>
<td>Ohmer</td>
<td>36</td>
</tr>
<tr>
<td>Religion and Intellectuals</td>
<td>Roche</td>
<td>37</td>
</tr>
<tr>
<td>Religion at the Epicenter: Facts and Fables</td>
<td>Richman</td>
<td>38</td>
</tr>
<tr>
<td>Run From the Earthquake, Fall into the Abyss: A Léogane Paradox</td>
<td>McNeil</td>
<td>39</td>
</tr>
<tr>
<td>Small Differences in the Structure of Children’s Input Can “Add Up”</td>
<td>Richman</td>
<td>38</td>
</tr>
<tr>
<td>The Evolution of Wisdom</td>
<td>Deane-Drummond</td>
<td>42</td>
</tr>
<tr>
<td>The Lost Art of Dress</td>
<td>Przybyszewski</td>
<td>44</td>
</tr>
<tr>
<td>The Perils and Promise of Adolescence</td>
<td>Lapsley</td>
<td>45</td>
</tr>
<tr>
<td>“They say he has sold himself to the devil for a pretty face.” Narcissism</td>
<td>Profit</td>
<td>48</td>
</tr>
<tr>
<td>in Oscar Wilde’s The Picture of Dorian Gray</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transcending Suffering: Spirituality and Maintaining Compassion in the</td>
<td>Vachon</td>
<td>48</td>
</tr>
<tr>
<td>Encounter with Human Pain</td>
<td></td>
<td></td>
</tr>
<tr>
<td>What Difference Does Caring Make in Business and Healthcare?</td>
<td>Vachon</td>
<td>49</td>
</tr>
<tr>
<td>What is Science Saying About Compassion and What Difference Does It Make in</td>
<td>Vachon</td>
<td>50</td>
</tr>
<tr>
<td>Our Daily Lives?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>What’s So Funny About a Joke?</td>
<td>Roche</td>
<td>50</td>
</tr>
<tr>
<td>Why We Get Lost</td>
<td>Carlson</td>
<td>51</td>
</tr>
</tbody>
</table>

**NOTRE DAME**

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Serendipitous Route to the Golden Dome</td>
<td>Trozzolo</td>
<td>17</td>
</tr>
<tr>
<td>God, Country, and Notre Dame</td>
<td>Collier</td>
<td>27</td>
</tr>
<tr>
<td>Keeping the Faith: Catholic Higher Education in the 21st Century</td>
<td>O’Hara</td>
<td>31</td>
</tr>
<tr>
<td>Notre Dame and the Fight Against Extreme Poverty</td>
<td>Dowd</td>
<td>34</td>
</tr>
<tr>
<td>Notre Dame in the Movies</td>
<td>Crafton</td>
<td>34</td>
</tr>
<tr>
<td>Notre Dame Physicists Discover the “God Particle”: Action at the Large</td>
<td>Hildreth</td>
<td>34</td>
</tr>
<tr>
<td>Hadron Collider</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Notre Dame v. Obamacare: Our Lady’s University’s Fight for Religious Freedom</td>
<td>Muñoz</td>
<td>34</td>
</tr>
<tr>
<td>Notre Dame’s Catholic Witness: On Campus and in the Public Square</td>
<td>Snead</td>
<td>34</td>
</tr>
<tr>
<td>Notre Dame’s First Faculty-in-Residence</td>
<td>Hums</td>
<td>34</td>
</tr>
<tr>
<td>The Corner of Notre Dame Avenue and Main Street: Community-Engaged Scholarship at Notre Dame</td>
<td>Frabutt</td>
<td>42</td>
</tr>
<tr>
<td>The Lab for Economic Opportunities (LEO): Where Academics Join Service Providers in the Fight Against Poverty</td>
<td>Evans or Sullivan</td>
<td>44</td>
</tr>
<tr>
<td>Why Teaching U.S. Latino Literature Matters: Living the Mission of Our University</td>
<td>Moreno</td>
<td>51</td>
</tr>
</tbody>
</table>

**SCIENCE/ENGINEERING**

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Serendipitous Route to the Golden Dome</td>
<td>Trozzolo</td>
<td>17</td>
</tr>
<tr>
<td>Aging Successfully</td>
<td>Bergeman</td>
<td>17</td>
</tr>
<tr>
<td>Antibiotics: The Twentieth-Century “Silver Bullets” and How They Are</td>
<td>Mobashery</td>
<td>18</td>
</tr>
<tr>
<td>Being Tarnished</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Antioxidants: Friend or Foe of Cancer Cells?</td>
<td>Schafer</td>
<td>18</td>
</tr>
<tr>
<td>Big Science: The Largest Telescopes on Earth and in Space</td>
<td>Garnavich</td>
<td>19</td>
</tr>
<tr>
<td>Lecture Title</td>
<td>Lecturer</td>
<td>Page #</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>----------------</td>
<td>--------</td>
</tr>
<tr>
<td>Biological Machines</td>
<td>Clark</td>
<td>19</td>
</tr>
<tr>
<td>Changing Concepts of Infant Care and Parenting: Sleeping With Baby, Breastfeeding, and Infant Sleep Position</td>
<td>McKenna</td>
<td>20</td>
</tr>
<tr>
<td>Climate Change in Urban Areas: Chicago as an Example</td>
<td>Fernando</td>
<td>22</td>
</tr>
<tr>
<td>Discovering Most of the Universe: The Accelerating Universe and Dark Energy</td>
<td>Garnavich</td>
<td>23</td>
</tr>
<tr>
<td>Einstein: How One Mild-Mannered Physicist Changed the Way We Understand Our World</td>
<td>Wayne</td>
<td>24</td>
</tr>
<tr>
<td>Electrification of the Transport Sector: Challenges and Opportunities</td>
<td>Gupta</td>
<td>24</td>
</tr>
<tr>
<td>Emerging Hotspots of Multi-Drug Resistant Malaria</td>
<td>Ferdig</td>
<td>24</td>
</tr>
<tr>
<td>Fighting Cancer: Understanding Mechanisms of Cancer Progression</td>
<td>D'Souza-Schorey</td>
<td>26</td>
</tr>
<tr>
<td>Galactic Archaeology</td>
<td>Beers</td>
<td>26</td>
</tr>
<tr>
<td>Galileo and His Science in Images</td>
<td>Hahn</td>
<td>26</td>
</tr>
<tr>
<td>Got Fakes?</td>
<td>Lieberman</td>
<td>27</td>
</tr>
<tr>
<td>Hijacking your Immune System: How Intracellular Parasites Survive</td>
<td>McDowell</td>
<td>28</td>
</tr>
<tr>
<td>How Methicillin-Resistant Staphylococcus Aureus (MRSA) Has Become a Global Clinical Scourge</td>
<td>Mobashery</td>
<td>28</td>
</tr>
<tr>
<td>Human Aggression: Is it Really in the Genes?</td>
<td>McKenna</td>
<td>29</td>
</tr>
<tr>
<td>Investigating How Cancer Cells Survive: The Key to Blocking Metastasis?</td>
<td>Schafer</td>
<td>30</td>
</tr>
<tr>
<td>It’s Not All Sex and Violence!</td>
<td>Fuentes</td>
<td>30</td>
</tr>
<tr>
<td>Malaria! Didn’t We Eradicate That Decades Ago?</td>
<td>Ferdig</td>
<td>32</td>
</tr>
<tr>
<td>Nimble Bacteria: How They Sense Their Environment to Infect and Outwit</td>
<td>Clark</td>
<td>34</td>
</tr>
<tr>
<td>No One is an Island</td>
<td>Streit</td>
<td>34</td>
</tr>
<tr>
<td>Notre Dame Physicists Discover the “God Particle”: Action at the Large Hadron Collider</td>
<td>Hildreth</td>
<td>34</td>
</tr>
<tr>
<td>Observations Following the Sumatra Tsunami in Sri Lanka</td>
<td>Fernando</td>
<td>35</td>
</tr>
<tr>
<td>Origin of the Elements of Life</td>
<td>Beers</td>
<td>35</td>
</tr>
<tr>
<td>Powering the Planet in a Carbon-Constrained World</td>
<td>Maginn</td>
<td>36</td>
</tr>
<tr>
<td>Precision Medicine—Notre Dame’s Bold Initiative to Lead the 21st Century Revolution in Personalized Healthcare</td>
<td>Bohn</td>
<td>36</td>
</tr>
<tr>
<td>Preventing Coastal “Dead Zones” from a Distance</td>
<td>Tank</td>
<td>36</td>
</tr>
<tr>
<td>Public-Private Partnerships</td>
<td>Haldar</td>
<td>36</td>
</tr>
<tr>
<td>Quantum Mechanics Got Us into This Mess and Will Help Get Us Out</td>
<td>Schneider</td>
<td>37</td>
</tr>
<tr>
<td>Restoring Vision with New Genetic Technologies</td>
<td>O’Tousa</td>
<td>38</td>
</tr>
<tr>
<td>Science vs. Religion: The Compatibility and Complementary Flourishing of Catholicism and the Natural Sciences</td>
<td>Gregory</td>
<td>39</td>
</tr>
<tr>
<td>“Seeing” Particles and Interactions</td>
<td>Ruchti</td>
<td>39</td>
</tr>
<tr>
<td>Social Ventures: Putting Undergraduates at the Frontier of Scientific Discovery in Rare and Neglected Diseases</td>
<td>Haldar</td>
<td>40</td>
</tr>
<tr>
<td>The Higgs Boson: Have We Finally Discovered the “God Particle”?</td>
<td>Wayne</td>
<td>43</td>
</tr>
<tr>
<td>The Humanity of Animals and the Animality of Humans</td>
<td>Fuentes</td>
<td>43</td>
</tr>
<tr>
<td>The Incredible Saga of Pacific Salmon</td>
<td>Lamberti</td>
<td>44</td>
</tr>
<tr>
<td>The Reformation Era and the Makings of Modernity</td>
<td>Gregory</td>
<td>45</td>
</tr>
<tr>
<td>The Specialized Visual System of Mosquitoes</td>
<td>O’Tousa</td>
<td>46</td>
</tr>
<tr>
<td>The Unholy Trinity: Vector, Parasite, Host</td>
<td>McDowell</td>
<td>47</td>
</tr>
<tr>
<td>To Heal or Not to Heal: Acceleration of Diabetic Wound Repair</td>
<td>Chang</td>
<td>48</td>
</tr>
<tr>
<td>Transcending Suffering: Spirituality and Maintaining Compassion in the Encounter with Human Pain</td>
<td>Vachon</td>
<td>48</td>
</tr>
<tr>
<td>Lecture Title</td>
<td>Lecturer</td>
<td>Page #</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>----------</td>
<td>--------</td>
</tr>
<tr>
<td>Truth in Numbers: From Notre Dame Football to The Da Vinci Code</td>
<td>Hahn</td>
<td>48</td>
</tr>
<tr>
<td>Win Just One for the Gipper: Advances Toward Treatment of Traumatic Brain Injury</td>
<td>Chang</td>
<td>51</td>
</tr>
</tbody>
</table>

**SPORTS**

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Look at Baseball's Handling of “A Fistful of Dollars”—MLB’s System of Salary Arbitration</td>
<td>Edmonds</td>
<td>16</td>
</tr>
<tr>
<td>Baseball’s Interesting Relationship with the U.S. Supreme Court</td>
<td>Edmonds</td>
<td>18</td>
</tr>
<tr>
<td>Play Like a Champion Today: Putting Fun and Virtue First in Youth Sports</td>
<td>Power</td>
<td>35</td>
</tr>
<tr>
<td>Sports and the Common Good</td>
<td>Edmonds</td>
<td>40</td>
</tr>
<tr>
<td>The Current State of Intercollegiate Athletics</td>
<td>Edmonds</td>
<td>42</td>
</tr>
<tr>
<td>The National Football League’s Legal Challenges</td>
<td>Edmonds</td>
<td>45</td>
</tr>
<tr>
<td>The Role of Sports in American Culture</td>
<td>Coleman</td>
<td>46</td>
</tr>
<tr>
<td>Win Just One for the Gipper: Advances Toward Treatment of Traumatic Brain Injury</td>
<td>Chang</td>
<td>51</td>
</tr>
</tbody>
</table>

**TECHNOLOGY/ SOCIAL MEDIA**

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Lecturer</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Science: The Largest Telescopes on Earth and in Space</td>
<td>Garnavich</td>
<td>19</td>
</tr>
<tr>
<td>Climate Change in Urban Areas: Chicago as an Example</td>
<td>Fernando</td>
<td>22</td>
</tr>
<tr>
<td>Discovering Most of the Universe: The Accelerating Universe and Dark Energy</td>
<td>Garnavich</td>
<td>23</td>
</tr>
<tr>
<td>Grandma “Friendled” Me on Facebook?! Making Sense of Social Media</td>
<td>Angst</td>
<td>28</td>
</tr>
<tr>
<td>Living in the Panopticon: The Implications of Potentially Ubiquitous Surveillance</td>
<td>Flynn</td>
<td>32</td>
</tr>
<tr>
<td>This Is Not Your Father’s Classroom: Adapting Teaching Methods to the Ever-Changing World</td>
<td>Dobrowolska-Furdyna</td>
<td>48</td>
</tr>
<tr>
<td>Wandering Through the Rail Yard</td>
<td>Hums</td>
<td>49</td>
</tr>
<tr>
<td>Who’s Watching Me? What “Big Data” Means to All of Us</td>
<td>Angst</td>
<td>51</td>
</tr>
</tbody>
</table>
50 Years of “Chicago”
Kenneth Dye, Ed.D., M.B.A., Director, Bands; Professor, Music
2017 marks the 50th anniversary of the greatest rock band of all time, “Chicago.” From humble beginnings under the tutelage of Notre Dame’s Fr. George Wiskirchen to their recent induction into the “Rock and Roll Hall of Fame,” this talented band of composers and classically-trained musicians has inspired the musical lives of young and old. Their amazing longevity and touring energy is truly a landmark in American music.

A Look at Baseball’s Handling of “A Fistful of Dollars”—MLB’s System of Salary Arbitration
Edmund P. Edmonds, J.D., ’73, Associate Dean, Director, Kresge Law Library
Major League Baseball uses a system of final offer salary arbitration as the ultimate solution for salaries of a group of players each year who are not eligible for free agency. This lecture presents an explanation of the system, together with a discussion of baseball’s general salary structure.

A God of Life, a Civilization of Love: Globalization, Justice, and Catholic Social Teaching
Rev. Daniel G. Groody, C.S.C., Ph.D., M.Div., ’86, Associate Professor, Theology; Director, Center for Latino Spirituality and Culture, Institute for Latino Studies
Globalization is rapidly changing and transforming the world in which we live and how we understand our social, economic, political, cultural, and even spiritual lives. It is a time of new opportunities and unprecedented potential, but it brings with it new perils and greater social, political, and economic turmoil than ever before. Amid the times of change, what resources does Catholic social teaching offer for charting the course forward and navigating the path to peace?

A More Powerful Sorcerer? Magic and Conversion in a Haitian Transnational Community
Karen E. Richman, Ph.D., Director, Migration and Border Studies, Institute for Latino Studies; Concurrent Associate Professional Specialist, Anthropology
The popular religion of Haiti, known to outsiders as Vodou, is a complex, dynamic blend of European, African, and Creole religious ideologies and practices centered around the material reality of spiritual affliction, sorcery, and magic. Haitian migrants have been publicly disavowing this religion and joining ethnic evangelical churches. Yet underneath the evangelical’s modern, ascetic cloak, representations of instant money and private ambition—the illicit rewards of sorcery and magic—remain at the heart of their instrumentalist rhetoric.

A Guided Tour of the Constitution of the United States
Richard W. Garnett, J.D., Professor, Law; Concurrent Professor, Political Science; Fellow, Institute for Educational Initiatives
The Constitution of the United States has both evolved and endured. Americans argue passionately about our Constitution, but how well do we really know it? This lecture provides an accessible overview of, and “citizen’s guide” to, the history, content, and future of our Constitution.

A History of Financial Crises
Richard A. Jensen, Ph.D., Gilbert F. Schaefer Professor, Economics
Financial crises always have been with us. Examining such crises in the U.S. in the 1800s, in Europe in the Renaissance, and in ancient Rome provides perspectives that help understand their common causes and consequences.

A Pope on the Margins: Pope Francis’s Vision for the Church
J. Matthew Ashley, Ph.D., Associate Professor of Systematic Theology; Chair, Department of Theology; Fellow, Reilly Center for Science, Technology, and Values
In the first years of his pontificate Pope Francis has defied easy categorization in terms of the divisions that have plagued the Church over the past three decades. The first Pope from the global south, his pontificate marks an important turning point for the Catholic Church in more ways than one. This lecture examines Francis’s pontificate by looking at how his experience as a Jesuit and as Archbishop in Argentina has shaped his vision of the Church as a principal sign and instrument of God’s mercy in the world, especially “on the margins.”
A Serendipitous Route to the Golden Dome
Anthony M. Trozzolo, Ph.D., Huisking Professor Emeritus, Chemistry and Biochemistry
Accidental quirks in science often lead to significant discoveries and inventions, such as penicillin and the transistor. This lecture presents some examples of serendipity in the author’s career and research, which ultimately led to Notre Dame and the “Rudy game.” An attempt will be made to offer guidelines for exploiting the role of serendipity in science.

A Superb Statesman and Thinker: Cicero’s Achievements in the Roman Republic
Walter J. Nicgorski, Ph.D., Professor Emeritus, Program of Liberal Studies; Concurrent Professor, Political Science
This lecture explores a slice of history around the achievements of Cicero as orator, lawyer, philosopher, political leader, and correspondent. It brings to light his wisdom and alleged weaknesses while introducing his ancient as well as modern enemies.

Academic Entrepreneurship
Richard A. Jensen, Ph.D., Gilbert F. Schaefer Professor, Economics
In the current climate of higher education, every major research university must have an innovation park. But what are the characteristics of universities and their faculties that are most effective at generating patents, licenses, startups, and royalty income?

Advising the White House on Public Bioethics: The Role of General Counsel to the President’s Council on Bioethics
O. Carter Snead, J.D., Professor, Law; W.P. and H.B. White Director of the Notre Dame Center for Ethics and Culture
This lecture explores the role of the General Counsel to the President’s Council on Bioethics—a White House advisory committee dealing with the legal and public policy dimensions of advances in biomedical science and technology.

Aging Successfully
Cindy S. Bergeman, Ph.D., Professor, Psychology
This lecture explores the psychosocial and health attributes that help one overcome the risks and challenges associated with aging. Discussion regarding the factors that contribute to life expectancy, and what you can do to add quality to your later years, will follow.

America the Beautiful
John C. Nagle, J.D., Professor; The John N. Matthews Chair in Law
Americans love our scenery. That scenery received special attention in 2016, which was the 100th anniversary of the National Park Service. Our national parks explain why we care so much about the beauty of our scenic landscapes, how we decide which places are specially scenic, and what we need to do to ensure that people continue to enjoy our beautiful nation.

American Wilderness and Its Challenges
Anne G. Coleman, Ph.D., Associate Professor, American Studies
Wilderness is a central part of American identity. This talk will explore how the idea of wilderness has developed in American culture since the 19th century, and how places associated with that idea still raise questions about who wilderness is for and what purpose it should ultimately serve.

An Architecture of Transcendence
Duncan G. Stroik, M.Arch., Professor, Architecture
What are the universal and time-tested principles of sacred architecture and how can they be applied today?
Antibiotics: The Twentieth-Century “Silver Bullets” and How They Are Being Tarnished
Shahriar Mobashery, Ph.D., Professor; Navari Family Chair, Life Sciences

There exists a crisis in medicine in the treatment of infections. For example, some bacteria have become resistant to virtually all antibiotics, reducing clinical options for treatment of infections. This lecture describes the history of discovery and introduction to the clinic of antibiotics. It also describes how antibiotics have been compromised due to resistance, and what the average person can do to help the situation.

Antioxidants: Friend or Foe of Cancer Cells?
Zachary T. Schafer, Ph.D., Coleman Foundation Associate Professor of Cancer Biology

The ability of antioxidants to neutralize free radicals has been widely appreciated for its benefits to human health. However, it is becoming increasingly clear that antioxidant activity can help cancerous cells in the same way it can help normal cells. This lecture will focus on recent research at Notre Dame and elsewhere suggesting that antioxidant activity may be helpful to cancer cells as they disseminate throughout the body.

Architecture and Urbanism in a Time of Unprecedented Change
Michael N. Lykoudis, M.Arch., Francis and Kathleen Rooney Dean and Professor, School of Architecture

The world is currently facing many unprecedented challenges including environmental degradation, climate change, economic upheaval, and political uncertainty. How can the built environment facilitate solutions to our long-term problems while improving our quality of life? Lykoudis explores how architecture and urbanism around the world reflects the importance of individual cultures and places, while at the same time revealing what it is that we all have in common.

Are You Resilient? How to “Bounce Back” from Adversity
Cindy S. Bergeman, Ph.D., Professor, Psychology

Psychological resilience is the ability to recover readily from stress and adversity, including both major life events and chronic difficulties. Resilience is not a rare ability; in reality, it is found in the average individual and it can be learned and developed by virtually anyone.

Baseball’s Interesting Relationship with the U.S. Supreme Court
Edmund P. Edmonds, J.D., ’73, Associate Dean, Director, Kresge Law Library

The U.S. Supreme Court has issued three separate opinions (Federal Baseball in 1922, Toolson in 1953, and Flood in 1972) that created baseball’s antitrust exemption and special status. The decisions will be discussed together with an explanation of the court’s different treatment for baseball compared to other sports and industries.

Beautiful Ugerness and Christianity
Mark W. Roche, Ph.D., Rev. Edmund P. Joyce, C.S.C., Professor, German Language and Literature; Concurrent Professor, Philosophy

Why is modern art fascinated with the ugly, and what role did Christianity play in this development? How can we distinguish between great art that integrates the ugly and bad art? The presentation, which includes Christian and secular images, is partly designed to help viewers grapple with modern art.

Bees Do It, Birds Do It—Are Humans Any Different?
Agustin Fuentes, Ph.D., Professor and Chair, Anthropology

Are men and women really that different when it comes to what they want in a partner? Can animals tell us anything about human love and marriage? This lecture answers these questions with cutting-edge information from biology and anthropology, and dispels many myths about human sexuality along the way.
Being Atticus Finch
J.D., Joseph A. Matson Dean Emeritus and Professor of the
Law School; President Emeritus of the University of Notre Dame
Australia
This lecture studies the character of the attorney in To Kill a
Mockingbird.

Big Science: The Largest Telescopes on Earth and in Space
Peter M. Garnavich, Ph.D., Professor, Astrophysics/
Cosmology Physics
We live in a golden age of astrophysical discovery stemming
from advances in technology and engineering. Notre Dame
has a share in the Large Binocular Telescope (LBT), the
largest optical telescope in the world. Its unique design and
light-collecting power make it a powerful tool for probing the
distant universe and discovering extra-solar planets. In the
last few years, Notre Dame astrophysicists have leveraged
the capabilities of the LBT and the Hubble Space Telescope
to make major breakthroughs.

Biological Machines
Patricia L. Clark, Ph.D., Rev. John Cardinal O’Hara, C.S.C.,
Professor of Chemistry and Biochemistry
In order to function, cells must do work. This work is
accomplished by molecular-scale machines that are both
beautiful and incredibly efficient. This talk will illustrate
several cellular machines, including the ribosome (responsible
for synthesizing proteins from our genetic code) and the
bacterial flagellum (the “tail” that permits bacteria to “swim”
in search of food).

Business in Light of Catholic Social Teaching
Martijn Cremers, Ph.D., Professor, Finance
This lecture explores the purpose, the priority, and the
practice of business in light of Catholic Social Teaching. How
can business contribute to human flourishing, just human
relationships, and integral human development?

Can Roe v. Wade Be Overturned? If Not, What Alternatives or Strategies Are Available to Protect Unborn Life in America?
Donald P. Kommers, Ph.D., The Robbie Professor Emeritus,
Political Science and Law
This lecture revisits Roe v. Wade and the possibility of its
rejection by the U.S. Supreme Court. It draws on Germany’s
abortion jurisprudence for suggesting alternative strategies
for curtailing the incidence of abortion in the United States.

Can Virtue Be Taught? Moral and Character Education in America
F. Clark Power, Ed.D., Professor, Program of Liberal Studies;
Director, Play Like A Champion™; Concurrent Professor,
Psychology; Fellow, Institute for Educational Initiatives
There is a growing consensus that moral and character
education ought to be undertaken in American schools, but
there is widespread disagreement over how to do so. Using
recent social science research, Power argues that moral
education is necessary in the curriculum, classroom and
school discipline, community service projects, and sports.

Can You Do Well While Doing Good?
Rev. Oliver F. Williams, C.S.C., Ph.D., ’61, ’69 M.A.,
Associate Professor, Management; Fellow, Joan B. Kroc
Institute for International Peace Studies; Director, Center for
Ethics and Religious Values in Business
Today, many believe that business ethics is an oxymoron.
Following the spirit of the famous line, “an ambassador is an
honest man lying abroad for the good of his country,” some
business leaders conduct their operations as if the bottom
line is the only concern. Is it possible to do well while doing
good? Discussing many examples such as 3M, Sumitomo,
and Novartis, the lecture discusses how it is possible to
outline a way for a business manager to exhibit superior
performance in business and yet be a model of virtue and
ethical values.
**Cars and Stars**
Kenneth Dye, Ed.D., M.B.A., Director, Bands; Professor, Music

Take a drive down “Memory Lane” experiencing the sights and sounds of America’s musical passion for the automobile. From Ragtime and the “Curved Dash Olds,” the 50’s jukebox “tail fins,” 60’s surf and speed songs, and the classic rock generation, we explore the songs and rides of 100 years.

**Catholic Schools and Education Reform**
Nicole S. Garnett, J.D., John P. Murphy Foundation Professor of Law

Discussion of the importance of Catholic schools to education reform efforts in the United States.

**Catholic Schools and the New Evangelization**
Rev. Ronald J. Nuzzi, Ph.D., Senior Director, The Alliance for Catholic Education (ACE)

Catholic schools in the U.S. have been the single most effective means of evangelization the church has ever invented. This lecture will explore the historic successes of Catholic schools and examine the current challenges facing Catholic schools in the next decade.

**Catholic Women as Theologians and Preachers**
Sister Kathleen Cannon, O.P., Associate Dean, College of Science; Concurrent Associate Professor, Theology

This presentation will explore some of the roles that women have played in the Church, particularly as preachers and theologians. It will address some of the critical questions and issues in theology developed by women scholars.

**Changing Concepts of Infant Care and Parenting: Sleeping With Baby, Breastfeeding, and Infant Sleep Position**
James J. McKenna, Ph.D., Rev. Edmund P. Joyce, C.S.C., Chaired Professor in Anthropology; Director, Mother-Baby Behavioral Sleep Laboratory

In the last decade especially, the scientific understanding concerning Sudden Infant Death Syndrome, breastfeeding, infant sleep position, and co-sleeping with infants has changed in dramatic ways. In this lecture, both old and relatively new parents will be surprised by how culture and evolution transact to affect women, infant development, and parenting, and give rise to the question: in how many ways can one successfully raise a human being?

**China, Tibet, and Taiwan: A Fateful Triangle**
Lionel M. Jensen, Ph.D., Associate Professor, East Asian Languages and Cultures; Associate Professor, History

A visual, interpretive tour of the political and ideological dynamics of China are introduced by way of its relationships with two countries that it officially defines as part of its “motherland,” but both of which defy such inclusion. With political unrest in Tibet and a democratic Taiwan, China’s claim of sovereignty over these territories is increasingly troubling.

**China’s “Confucius Institutes” and the American Academy: Money, Politics, Persuasion, and Propaganda**
Lionel M. Jensen, Ph.D., Associate Professor, East Asian Languages and Cultures; Associate Professor, History

Since 2004, China has founded more than 660 Confucius Classrooms and Confucius Institutes in university locations all over the world. The country with the largest number of these is the United States and it is here that great concern has been expressed over Chinese political and economic threats to academic freedom. What’s wrong with China’s soft power?
China’s Cultural Scene
Jonathan Noble, Ph.D., Assistant Provost for Internationalization (Asia), ND International; Executive Director, Liu Institute for Asia and Asian Studies; Director, Beijing Global Gateway; Fellow, Kellogg Institute of International Studies
This lecture introduces trends and key figures in China’s contemporary cultural scene, including authors, poets, filmmakers, and artists. The lecture highlights both the ways in which China’s contemporary culture reflects social and political realities, and how intellectual and artistic movements aim to improve society and liberate the individual.

China’s Environmental Disaster
John C. Nagle, J.D., Professor; The John N. Matthews Chair in Law
The familiar downside to China’s unprecedented economic growth is an equally unprecedented amount of pollution and environmental destruction. China’s central government is trying to address the country’s environmental problems, but it struggles with a surprising inability to actually regulate what happens outside of Beijing.

China’s Global Impact
Jonathan Noble, Ph.D., Assistant Provost for Internationalization (Asia), ND International; Executive Director, Liu Institute for Asia and Asian Studies; Director, Beijing Global Gateway; Fellow, Kellogg Institute of International Studies
China’s economy has accounted for 40% of the world’s economic growth during the last two centuries. This lecture focuses on the ways in which the world’s second largest economy is impacting the world in different ways, including business, technology, international relations, culture, and higher education.

Christianity, Islam, and Support for Religious Freedom: Lessons from Sub-Saharan Africa
Rev. Robert A. Dowd, C.S.C., Ph.D., ’87, Associate Professor, Political Science; Director, Ford Family Program in Human Development Studies and Solidarity
Religious intolerance and religiously-related violent conflict continue to be problems in many parts of the world. Based largely on research conducted in sub-Saharan Africa, but also on observations from other parts of the world, this lecture seeks to contribute to a greater understanding of how Christian and Islamic religious communities come to support religious freedom for all.

Church Architecture for the Poor?
Duncan G. Stroik, M.Arch., Professor, Architecture
How do we build churches and still serve the poor? This lecture looks at the architecture built for the poor down through the ages, especially that of the Franciscans, Dominicans, and Jesuits.

Church Architecture Since Vatican II
Duncan G. Stroik, M.Arch., Professor, Architecture
How did the early 20th century Liturgical Movement and the Modernist movement in architecture contribute to the rise of so-called “Vatican II” church architecture?

Classical Perspectives on Friendship and Aging
Walter J. Nicgorski, Ph.D., Professor Emeritus, Program of Liberal Studies; Concurrent Professor, Political Science
Drawing especially from the writings of Aristotle and Cicero, the lecture illuminates aspects of friendship and aging that remain vitally important for human happiness in the present time. This lecture highlights the role of moral character in friendship and aging, the rarity of true friendship, and the difficulties for friendship in old age.
Climate Change in Urban Areas: Chicago as an Example

Harindra Joseph Fernando, Ph.D., Wayne & Diana Murdy Endowed Professor in Engineering & Geosciences; Concurrent Professor, Aerospace and Mechanical Engineering

Expansive growth of some urban areas during the past several decades and the influence of global climate change have exacerbated the anthropogenic-induced alteration of local climates within urbanized regions. As a result of these factors, urban heat island (UHI) effect in these urban areas has intensified, and Chicago is one of the examples. Intensified UHI has negative effects on air quality, human health and comfort, energy consumption, and biological ecosystems. Various numerical models exist to understand, monitor, and predict UHI and its associated problems, but none can resolve all the relevant physical phenomena which span a wide range of scales. We have utilized a comprehensive multi-scale approach to the study of Chicago’s UHI. Modeling results show some interesting change of local climatic conditions in Chicago over the next century.

Community Safety and Youth Violence Prevention: A Focus on Schools

James M. Frabutt, Ph.D., ’95, Senior Advisor to the Provost, Office of the Provost; Faculty, Mary Ann Remick Leadership Program, Alliance for Catholic Education (ACE)

The safety of children is a paramount concern for schools and educators. Effective, high quality schools must include efforts to improve school climate and safety. This presentation reviews school violence trends and highlights best practices for safeguarding our children.

Congress Isn’t Broken

John C. Nagle, J.D., Professor; The John N. Matthews Chair in Law

Everyone thinks that Congress is broken, but it’s not quite so simple. Congress tends to mirror the people it represents, and those people are becoming increasingly polarized. The work we expect of Congress will improve if we have a better understanding of how Congress actually works and what it does.

Creating an American Identity: American Indians and the Co-Opting of Identity

Brian S. Collier, Ph.D., Graduate Faculty, Alliance for Catholic Education (ACE); Fellow, Institute for Educational Initiatives; Affiliate Faculty, Poverty Studies, American Studies, and Education, Schooling and Society

Does borrowing an indigenous identity somehow give Americans a sense of belonging to this land? Stories do have power in American history, and the stories we tell will be how we’re judged in the future. This is a humorous and thought-provoking lecture accessible to all audiences.

Deciding to Be Green

Laura A. Carlson, Ph.D., Vice President, Associate Provost; Dean, Graduate School; Professor, Psychology

With the growing concern for the environment, we need to encourage more eco-friendly behavior. Carlson discusses how we can use psychology to explore our relationship with the environment, focusing on why and how we make everyday environmental decisions, such as recycling a can or using a reusable bottle.

Demographics and the Global Economy

Nelson Mark, Ph.D., The Alfred C. DeCrane Jr. Professor of International Economics; Acting Director, Liu Institute for Asia & Asian Studies

Momentous demographic transitions have occurred throughout the world since the mid 20th century. Declines in fertility and mortality combine to profoundly change the population age distribution and have long-term macroeconomic implications for aggregate saving, capital formation, the world interest rate, viability of pension schemes, labor supply, and long-run growth.
Lecture Descriptions

Did the Founding Fathers Intend to Separate Church from State?
Vincent Phillip Muñoz, Ph.D., Tocqueville Associate Professor of Political Science; Concurrent Associate Professor, Law

Is "under God" in the Pledge of Allegiance unconstitutional? Do Christmas displays in the public square violate the First Amendment? This lecture explores political thought of our leading Founding Fathers to explain the Founders’ visions about the proper relationship between church and state.

Discovering Most of the Universe: The Accelerating Universe and Dark Energy
Peter M. Garnavich, Ph.D., Professor, Astrophysics/Cosmology Physics

The discovery that the rate of expansion of the universe is accelerating is one of the most dramatic scientific revolutions of the century. The source of this acceleration is thought to be a mysterious "dark energy" that makes up three-quarters of the content of the universe. This story begins with Einstein and Hubble, shifts to two research teams in a race to find the ultimate fate of the universe using exploding stars and cutting edge technology, and culminates in Stockholm.

Do Men and Women Speak in Two Different Tongues? If So, Why?
James J. McKenna, Ph.D., Rev. Edmund P. Joyce, C.S.C., Chaired Professor in Anthropology; Director, Mother-Baby Behavioral Sleep Laboratory

Anthropologists and linguists have noted that, when it comes to understanding language, not only does it appear that nonverbal (body) language is essential in bringing accurate meanings to social and interactional settings, but failing to appreciate that men and woman are socialized to use language in very different ways can lead to enormous misunderstandings. Moreover, in attempting to respect rank, by avoiding “direct” speech, we can, at times, endanger our lives.

Does Religion Cause Violence? What is the Role of Religion in Peacebuilding?
Atalia Omer, Ph.D., Associate Professor, Religion, Conflict, and Peace Studies

What are some of the relationships between religion and direct violence as well as social, cultural, and systemic violence? What constructive roles do religions provide to peace-builders in various contexts of conflict and devastation? Religion is often blamed for violence that is irrational and divisive. Do we have evidence to problematize this assertion?

Does Religion Do More to Divide or Unite Americans?
David E. Campbell, Ph.D., Packey J. Dee Professor of American Democracy; Chair, Political Science

The United States is unusual in combining a high level of religious devotion, religious diversity, and religious tolerance—a combination that you might think would lead to conflict. While religion is a fault line in our national politics, at a personal level most Americans have built bridges across religious lines.

Don't Know Much About History
Linda Przybyszewski, Ph.D., Associate Professor, History; Concurrent Professor, Law

The books written by historians from places like Notre Dame don't often show up in Barnes and Noble. Why not? It turns out we usually don’t write the five most popular kinds of history. What are they, why don't we write them, and what can be done about it?
Dying to Live: Theological Perspectives on Migrants and Refugees
Rev. Daniel G. Groody, C.S.C., Ph.D., M.Div., ’86, Associate Professor, Theology; Director, Center for Latino Spirituality and Culture, Institute for Latino Studies

Immigration is a complex issue that is changing the face of cultures worldwide. In the U.S., it is often controversial, with many social, economic, political, and even religious implications. What often gets lost in the debate are the profound human issues at stake. This lecture is a reflection of the human struggle of undocumented immigrants from Mexico, their struggle for more dignified lives, and the search to find God in the midst of some of the most godless moments of the human journey.

Ecology and Theology
Celia Deane-Drummond, Ph.D., Professor, Theology

Ecotheology is perhaps at last becoming recognized after half a century of writing in this field. This talk will look at the challenges Laudato Si’ presents and the relationship between ecology and Catholic social teaching.

Economic Growth and Environmental Crisis in China
Kwan S. Kim, Ph.D., Professor Emeritus, Economics; Faculty Fellow, Kellogg Institute for International Studies and Liu Institute for Asian Studies

Guided by the ideology of state capitalism, China long adopted a growth-first policy, exporting cheap manufactures as a prioritized activity for wealth creation. The country’s phenomenal capital accumulation has, nonetheless, rapidly deteriorated the environment, depleting resources. The economy has lately started to transform from the manufacturing industrial base to the high-tech, skill-based service. However, how the “New Norm” structural reform by the Xi regime will alleviate environmental degradation is an open question. Today’s China continues to face unparalleled challenges in terms of human health hazard and sustainability of development.

Emerging Hotspots of Multi-Drug Resistant Malaria
Michael Ferdig, Ph.D., Professor, Biological Sciences

Drug resistance marches on, as the last best drug against malaria is failing in Southeast Asia. How can we track down these resistance hotspots? Can new “systems biology” approaches finally help us to parse the hidden genome code that makes this parasite so successful against all of our attacks?
“Employee-Care Zones”: Ten Best Practices for Creating One in an Organization
Charles R. Crowell, Ph.D., ’70, Associate Professor, Psychology; Director, Computer Applications Program
“Employee-care zones” are places where corporate culture and management practices combine to favor the adoption by employees of success-related behaviors. In this talk, Professor Crowell provides an overview of ten evidence-based practices company management can use to achieve and sustain such a zone. These practices are strategies that can be easily understood and implemented.

Entrepreneurs of Music—From JS Bach to Jimmy Buffet
Kenneth Dye, Ed.D., M.B.A., Director, Bands; Professor, Music
Few scholars recognize music’s historical contribution to business. From the early garment house concerts of JS Bach to the superstar concerts of Paganini and Franz Liszt, music paved the way of using creative promotion and advertising with an individual spirit. Later entrepreneurs led by Sousa, Gershwin, Miller, Elvis, Barry Gordy, and Jimmy Buffet, crafted a sound enjoyed by millions and a business that earned billions.

Entrusted in Faith: Parents, Children, and Catholic Schools
James M. Frabutt, Ph.D., ’95, Senior Advisor to the Provost, Office of the Provost; Faculty, Mary Ann Remick Leadership Program, Alliance for Catholic Education (ACE)
Throughout the history of Catholic education, the Church has extolled the primacy of parents in the education of their children. The family is, as the tradition has named it, a house church. Drawing on this rich tradition, this presentation addresses major themes that are at the heart of the Church’s teaching regarding faith, parents, and Catholic schools.

Ernest Hemingway—In Our Time
Jacqueline Vaught Brogan, Ph.D., Professor Emerita, English
Hemingway’s In Our Time is almost always considered a collection of short stories (some of his best). However, it is a remarkably integrated book which must be read as a whole to understand how completely he anticipates our own times—including gender and racial issues, capitalist expansion and ecological damage, and the need for charitas in his—and our—troubled world.

Ethical Business in the 21st Century
Patrick E. Murphy, Ph.D., ’70, Professor, Marketing
Much attention has been devoted to the “unethical” activities of business during the last several years. This lecture focuses on ethical principles and actions undertaken by leading ethical firms. Several suggestions are offered to enhance the role of ethics in corporations for the future.

Europe’s Revolutionary Spring: 1848
John Deak, Ph.D., Assistant Professor, History; Fellow, Nanovic Institute for European Studies
In the Spring of 1848 the continent of Europe was ablaze with revolution, from Italy to Ireland and France to the border regions of the present Ukraine. This lecture will cover the revolutions in their broader dimensions and help us better understand Europe today.

Facing Changes in the Church: Lay Service, Lay Power
Sister Kathleen Cannon, O.P., Associate Dean, College of Science; Concurrent Associate Professor, Theology
Current trends in the Church and projections for the future suggest that there will be fewer priests and more Catholics. This presentation will explore various models of the Church, the call to ministry, changes and continuities among U.S. Catholics, parishes without priests, and new roles for women and men in the Church.
Faith, Music, Mass, Action: What’s the Connection?
Rev. Michael S. Driscoll, Ph.D., S.T.D., Associate Professor, Theology
This lecture looks at the role of music, as well as the other sacred arts, in forming our Christian beliefs. How do the liturgical arts impart that deep-felt knowledge of head and heart and faith, the knowledge that nurtures whole human persons and inspires a knowing from the inside out?

Faith Taking Shape: Early Christianity and the Arts
Thomas F. Noble, Ph.D., Professor Emeritus, History; Fellow, Nanovic Institute for European Studies
Between 300 and 1000 BC, Christian theologians developed a vocabulary and conceptual framework for talking about God. In those same centuries, as Christian art developed and spread, Christians also learned how to talk about art. There are surprises and ironies in these two parallel developments.

FDR and the Court-Packing Showdown
Barry Cushman, Ph.D., John P. Murphy Foundation Professor of Law
This lecture revisits the high drama surrounding President Roosevelt’s 1937 proposal to “pack” the Supreme Court. Many colorful and important figures played leading roles in the Senate’s ultimate rejection of the proposal. Yet the Court did become more receptive to New Deal legislation, and a new constitutional order emerged.

Fighting Cancer: Understanding Mechanisms of Cancer Progression
Crislyn D’Souza-Schorey, Ph.D., Morris Pollard Professor and Department Chair, Biological Sciences
The detachment of cancer cells from the surface of a tumor signals the beginning of a critical phase in the spread of many cancers. This lecture will present newly-discovered mechanisms of the early stages of tumor progression that could serve as effective platforms for diagnosis and therapeutics.

Fighting for Global Health: The Eck Institute for Global Health
Mary Ann McDowell, Ph.D., Associate Professor, Biological Sciences; or Shahriar Mobashery, Ph.D., Professor; Navari Family Chair, Life Sciences
Not in my back yard? Oh yes it is! Infectious diseases account for more than 1.3 million deaths annually; we are all at risk. Notre Dame’s Eck Institute for Global Health recognizes health as a fundamental human right and endeavors to advance health standards for all people. This lecture is for a lay audience.

From John Jay to John Roberts: The Evolution of the Supreme Court
Amy Barrett, J.D., ’97, Professor, Law
In 1801, John Jay refused John Adams’ offer to reappoint him as Chief Justice on the ground that the Court lacked “energy, weight, and dignity.” This lecture highlights some of the key players and events that moved the Court from its humble beginnings to its modern prominence.

Galactic Archaeology
Timothy C. Beers, Ph.D., Chair, Galactic Archaeology; Professor, Astrophysics
This lecture describes the newly-founded field of Galactic Archaeology, the assembly and evolution of large spiral galaxies such as the Milky Way. This tale relies on new techniques for producing “age maps” of the stars in our Galaxy, and elemental abundance determinations for many millions of stars with the world’s largest telescopes.

Galileo and His Science in Images
Alexander J. Hahn, ’68 M.S., ’70 Ph.D., Professor, Mathematics
The popular fascination with Galileo is fueled by the perception that science and religion are in conflict and the condemnation of his views by the Inquisition. This lecture, in images, gives an overview of Galileo’s scientific contributions and the conflict between Galileo and the Church.
Germany’s Basic Law and the U.S. Constitution: A Critical Comparison

Donald P. Kommers, Ph.D., The Robbie Professor Emeritus, Political Science and Law

Germany's Constitution, officially known as the Basic Law of the Federal Republic of Germany, has replaced the U.S. Constitution as the world's leading model of constitutional governance. This lecture explains why.

Giving A “Last Lecture”

Edward F. Hums, M.B.A., '75, Teaching Professor, Accountancy

This lecture will give you a chance to hear a condensed version of the “Last Lecture” presented by Hums in October 2010 in Washington Hall. The “Last Lecture” is modeled on the original “Last Lecture” presented by Dr. Randy Pausch in 2007.

Global Issues and Catholic Social Teaching

Kwan S. Kim, Ph.D., Professor Emeritus, Economics; Faculty Fellow, Kellogg Institute for International Studies and Liu Institute for Asian Studies

Globalization, while seen as a powerful force for economic growth, is replete with social and economic conflicts among peoples and nations. This lecture addresses the structural contradictions and inequities in the contemporary global economy. Globalization-linked social concerns include sweatshops, world energy and environmental crisis, drugs and human trafficking, and worker rights. The discussion thus explores the nature and scope of the tensions between practices under the ideology of global capitalism and the Catholic social teaching to respect human dignity as the global common good.

Global Poverty Gap—What Does It Take to Eradicate?

Kwan S. Kim, Ph.D., Professor Emeritus, Economics; Faculty Fellow, Kellogg Institute for International Studies and Liu Institute for Asian Studies

This presentation takes a fresh look at the magnitude of global poverty, identifying the domestic and global sources contributing to the sustained poverty of marginalized grassroots humanity. It explores the issues of human capital, gender inequality, and market failures in the market economy. In this context, the analysis also re-evaluates the recent progress made on poverty-alleviation by taking stock of local, national, and global anti-poverty actions. Special reference is made to sub-Saharan Africa and least-developed nations in Asia and Latin America.

God, Country, and Notre Dame

Brian S. Collier, Ph.D., Graduate Faculty, Alliance for Catholic Education (ACE); Fellow, Institute for Educational Initiatives; Affiliate Faculty, Poverty Studies, American Studies, and Education, Schooling and Society

This humor filled, very historical, familiar, and always engaging lecture tells the history of the United States in just under an hour through the lens of Notre Dame’s place in United States. If you think you know everything about Notre Dame come and learn more reasons to love it, some reasons to challenge it, and lots of reasons to continue to support the home of the fighting Irish.

Got Fakes?

Marya Lieberman, Ph.D., Associate Professor, Chemistry and Biochemistry

This talk will explore the dastardly history of fake medicines, their devastating consequences, and efforts by Notre Dame researchers to uncover falsified and substandard pharmaceuticals in the developing world.

Hesburgh Lecture Series | 2017 Program
Lecture Descriptions

Grandma “Friend” Me on Facebook?! Making Sense of Social Media
Corey M. Angst, Ph.D., Associate Professor, Management
This talk will not only shock you with some extraordinary facts about the size and growth of social media but will also explain why and how social media can be used to benefit individuals, companies, and society at large... and where it is all headed in the future.

Grow by Focusing on What Matters: Competitive Strategy in 3-Circles
Joel E. Urbany, Ph.D., Professor, Marketing
Markets get commoditized very quickly these days, and competitive advantage is often fleeting and complex to define. This lecture reviews current challenges facing organizations in competitive markets and presents a framework for getting fast insight in building strategy. The 3-Circle Model—summarized in the Harvard Business Review—contributes to often dramatic growth by re-framing a manager’s view of existing market value, and focusing attention on building capability to create distinctive value for customers.

Guided Self Development—A Mentoring Approach to Effective Management and Leadership
Charles R. Crowell, Ph.D., ’70, Associate Professor, Psychology; Director, Computer Applications Program
Guided Self Development (GSD) allows managers to move away from a directive development mode characterized by telling employees what to do and how to improve. GSD allows managers to empower and enable employees to recognize and evaluate their own performance and take the necessary actions to reach desired goals.

Hijacking Your Immune System: How Intracellular Parasites Survive
Mary Ann McDowell, Ph.D., Associate Professor, Biological Sciences
Parasites! Parasites! Parasites! Delve into the remarkable world of intracellular parasites that live in human white blood cells. Find out how they survive in the very cells whose function is to destroy microorganisms.

How Active is Your Fund Manager?
Martijn Cremers, Ph.D., Professor, Finance
This lecture explores active investing in equity mutual funds focusing on “Active Share,” a new measure of active management based on holdings. How active are funds, and do truly active funds outperform?

How Methicillin-Resistant Staphylococcus Aureus (MRSA) Has Become a Global Clinical Scourge
Shahriar Mobashery, Ph.D., Professor; Navari Family Chair, Life Sciences
Methicillin-resistant Staphylococcus aureus (MRSA) is in the news almost daily. It kills approximately 20,000 Americans annually (more than AIDS). Why this organism has become such a problematic bacterium and what the average person can do to avoid it are the subjects of this lecture. This lecture is scientific in nature.

How Parents Can Support Child Cognitive and Emotional Development Through Reminiscing
Kristin Valentino, Ph.D., Associate Professor, Psychology; Licensed Clinical Psychologist
Parents often wonder about how to best talk with their children and/or how to get their children to talk to them. This lecture will discuss research on parent-child communication and how parents can support child cognitive (memory) and emotional (coping skills) development through reminiscing about past events.

How Stress Gets “Under the Skin”: Implications for Health and Well-Being
Cindy S. Bergeman, Ph.D., Professor, Psychology
The stimulation of the “fight or flight” response can be beneficial, but when the stress system is chronically activated, detrimental effects on health result. This lecture focuses on the psychobiological pathways of stress, healthy and unhealthy responses to stressful life circumstances, and general tips for managing stress.
How to Be a More Effective Leader
Michael Crant, Ph.D., Mary Jo and Richard M. Kovacevich Professor of Excellence in Leadership Instruction; Professor, Management

Leadership is about getting things done through people. This lecture explores the question, “What makes a great leader and how can I become one?” The lecturer draws from vivid stories of the best practices of highly effective leaders in order to arrive at practical answers to this question.

How Two Brothers Started an Age of Revolution
Patrick N. Griffin, Ph.D., ’87, Madden-Hennebry Professor and Chair of History

This lecture will explore how Charles and George Townshend helped initiate the crisis that led to the Age of Atlantic Revolutions.

Human Aggression: Is It Really in the Genes?
James J. McKenna, Ph.D., Rev. Edmund P. Joyce, C.S.C., Chaired Professor in Anthropology; Director, Mother-Baby Behavioral Sleep Laboratory

Scientists and social critics alike frequently argue over whether it is our “human nature” or our economic and cultural imperatives that make inevitable human conflict, violence, and warfare. Yet, a review of human evolutionary history, including the behavior of both monkeys and apes, points to a very different way of viewing human aggression, one that switches the question around to ask: how is it and how did it happen that a consideration of history requires us to conclude that humans may well be the most peaceful and altruistic of all? The question is not, why are we so aggressive? But rather, why are we so peaceful?

Human Dignity in American Law and Policy
O. Carter Snead, J.D., Professor, Law; W.P. and H.B. White Director of the Notre Dame Center for Ethics and Culture

This lecture explores the role played by the concept of “Human Dignity” in American law and public policy.

Human Rights and the Catholic Church, from Saint Francis to Pope Francis
Paolo G. Carozza, A.B., J.D., Director, Kellogg Institute for International Studies; Professor, Law; Concurrent Professor, Political Science

The idea of human rights originated in the life of the Church, and Catholic social teaching today provides one of the clearest defenses of it. But there are also deep tensions between Catholic tradition and human rights, historically and in the present day. This lecture explores that ambiguous relationship.

Immigrants, Social Investments, and Social Capital: A Mexican Immigrant Case Study
Karen E. Richman, Ph.D., Director, Migration and Border Studies, Institute for Latino Studies; Concurrent Associate Professional Specialist, Anthropology

Mexican immigrants have lower savings and pension participation than any other major demographic cohort in the U.S. This lecture presents results of an in-depth study of the social and cultural factors influencing Mexican immigrants’ economic, savings, and consumption behavior. Through its innovative combination of anthropological and economic theories and methods, the study enhances conventional theories of retirement savings and explains how underappreciated, non-economic factors affect Mexicans’ savings in general and savings for retirement in particular.

Influence and Persuasion
James S. O’Rourke IV, Professor, Management; Arthur F. and Mary J. O’Neil Director, Fanning Center for Business Communication

How we think and what we believe to be true are, in many ways, governed by those who influence us and the narrative frameworks we adopt. Find out more about how you and others around you are subject to persuasion and use these scientific principles to your advantage.
Intercultural Communication
James S. O’Rourke IV, Professor, Management; Arthur F. and Mary J. O’Neil Director, Fanning Center for Business Communication

More than any other factor, culture can directly affect your ability to do business at home and abroad. Find out how what we possess, what we think, and how we behave are governed in large measure by the culture in which we live.

Investigating How Cancer Cells Survive: The Key to Blocking Metastasis?
Zachary T. Schafer, Ph.D., Coleman Foundation Associate Professor of Cancer Biology

Metastasis, the process by which cancer cells spread from the primary tumor to distant sites in the body, is responsible for in excess of 90% of cancer deaths. This lecture will focus on recent Notre Dame research studying how cancer cells survive during metastasis, and how this information can be used for the development of novel cancer therapeutics.

Is Religious Freedom Still Our “First Freedom”? Understanding the Separation of Church and State Today
Richard W. Garnett, J.D., Professor, Law; Concurrent Professor, Political Science; Fellow, Institute for Educational Initiatives

In America, the freedom of religion is foundational and fundamental. Our Constitution, it is often said, calls for a “separation of church and state.” How should we understand this prescription, and what does it require of religious believers and institutions that engage in public and political life?

Islam, the Catholic Church, and the Future of the World
Gabriel Said Reynolds, Ph.D., Professor, Theology

The relationship between Christianity and Islam is absolutely unique. According to Islamic belief, Jesus was a Muslim prophet like Muhammad. He was not god and he did not die on the Cross. By this view, Islam is the natural religion; it is eternal, universal, and unchanging. In this lecture, Reynolds will examine how Islam challenges Christian beliefs, reflect on how the Catholic Church has responded to these challenges through the centuries, and propose ways in which the Church might face the newest challenges of Muslim-Christian relations, including the rise of ISIS and global jihadism.

“It was as a rebel that he fell.” The Abuse of Power, Scapegoating and Lying in Friedrich Dürrenmatt’s Suspicion
Vera B. Profit, Ph.D., Professor Emerita, German and Comparative Literature

As all healing depends upon the correct diagnosis, Profit names the eight characteristics of individual evil in The Devil Next Door (2014). They are listed in the description for Wilde’s The Picture of Dorian Gray. This lecture elucidates the abuse of power, scapegoating and lying in Dürrenmatt’s riveting detective novel.

It’s Not All Sex and Violence!
Agustin Fuentes, Ph.D., Professor and Chair, Anthropology

Are humans naturally violent and aggressive? Are these behaviors part of our genetic heritage? What can biology and behavior tell us about peace and aggression in everyday life? This lecture answers these questions and demonstrates that cooperation and friendship are now more pervasive—and important—than you might think.
Keeping the Faith: Catholic Higher Education in the 21st Century
Patricia A. O'Hara, ’74 J.D., Professor, Law
How can Catholic colleges and universities sustain their religious identity amidst the myriad challenges that all institutions of higher education face in the 21st century? This presentation provides an overview of the evolution of Catholic higher education in the United States, where it stands now, and where it might be headed in the future.

Lame Ducks
John C. Nagle, J.D., Professor; The John N. Matthews Chair in Law
We elected a new President in 2016. But President Obama remains in office until January 2017. During the lame duck period, the outgoing President and Congress can continue to take any actions that they like even though the people have already chosen their successors. We tried to eliminate lame duck lawmaking nearly a century ago, but the problems that such periods cause still persist.

Latino Catholicism: Transformation in America’s Largest Church
Timothy M. Matovina, Ph.D., Professor, Theology; Co-Director, Institute for Latino Studies
The mutual influences of Catholicism and the growing Hispanic population in the United States are shaping the church, society, and the lives of Catholics. This presentation examines those mutual influences in core areas like parishes, apostolic movements, leadership, ministries, worship, and social activism.

Latinos, Education, and the Church
Luis Ricardo Fraga, Ph.D., Co-Director of the Institute for Latino Studies; Arthur Foundation Endowed Professor of Transformative Latino Leadership; The Joseph and Elizabeth Robbie Professor of Political Science
Latinos now comprise 35% of all Catholics in the United States but only 15% of all students enrolled in Catholic schools. Why are enrollment rates of Latino students so low? Why is more Latino student enrollment in Catholic schools important? What can be done to increase Latino enrollment in Catholic schools?

Laudato Si’: How Pope Francis Enlists Saint Francis of Assisi to Help Us Address Climate Change
J. Matthew Ashley, Ph.D., Associate Professor of Systematic Theology; Chair, Department of Theology; Fellow, Reilly Center for Science, Technology, and Values
Living in a distant age, Saint Francis of Assisi seems hardly an apt guide for making the difficult economic and political decisions required of us, or solving the complex scientific and technological problems that arise as we face global climate change and other environmental challenges. Yet, face them we must, for the sake of future generations. Why did Pope Francis begin and end his encyclical by pointing to the poor man of Assisi? How can the spiritual traditions he inspired help us be both more hard-headed and realistic, and also more hopeful and joyful, as we confront this growing crisis? Using the lens of Christian spirituality and of Francis of Assisi in particular, this lecture will explore Laudato Si’ and the approach it offers to our environmental challenges.

Leonardo da Vinci: Painter of Mysteries
Charles M. Rosenberg, Ph.D., Professor Emeritus, Art History
Leonardo da Vinci was one of the greatest painters of religious subjects of all time. This lecture examines some of Leonardo’s most important religious paintings as a means of revealing the artist’s unique vision of the most profound mysteries of the Christian faith.

Lessons from Music and the Olympics
Kenneth Dye, Ed.D., M.B.A., Director, Bands; Professor, Music
The Olympics serve as a global stage for human achievement and culture. Inspirational pioneers in athletic competition and musical production have performed a spectacular soundtrack in their pursuit of excellence. From modest beginnings in Athens to the extravaganzas of Sydney and Beijing, Olympic ceremonies and celebrations have dazzled their audiences at the world’s largest event.
Lights, Camera, Music!
Kenneth Dye, Ed.D., M.B.A., Director, Bands; Professor, Music
A musical revue of film composers from the silent screen to Star Wars, whose soundtracks have contributed to the transformation of moving images into classic cinema. The masterful skills of the theatre organists evolved to 20th century masters of Hollywood, whose classic soundtracks have engaged and dazzled filmmakers, actors, and cinema audiences worldwide.

Limitations to Teaching $2 + 2 = 4$
Nicole McNeil, Ph.D., Alliance for Catholic Education (ACE) Associate Professor, Psychology; Director, Education, Schooling, and Society Minor (ESS); Fellow, Institute for Educational Initiatives (IEI)
Algebra is widely regarded as a “gatekeeper” to future opportunities. Unfortunately, most students in the U.S. struggle to understand algebraic concepts. In this talk, McNeil will present evidence that students’ difficulties are due to the way arithmetic is traditionally taught, and she will offer some specific strategies for improving understanding.

Living in the Panopticon: The Implications of Potentially Ubiquitous Surveillance
Patrick J. Flynn, Ph.D., Duda Family Professor of Engineering; Professor, Computer Science and Engineering
Cameras are now located everywhere: in pockets, on roadways, and both outside and inside of buildings. What customs, rules, and laws govern privacy rights and our desire for accountability in a world full of cameras? This lecture will address the capabilities of camera technologies and some implications of ubiquitous surveillance.

Lost Classroom, Lost Community
Nicole S. Garnett, J.D., John P. Murphy Foundation Professor of Law
Discussion (ideally with co-author Peg Brinig) of their recent book on the effects of Catholic school closures on urban neighborhoods, Lost Classroom, Lost Community: Catholic Schools’ Importance in Urban America.

Making Better Decisions at Work
Michael Crant, Ph.D., Mary Jo and Richard M. Kovacevich Professor of Excellence in Leadership Instruction; Professor, Management
The essence of managerial work is making decisions, yet people spend surprisingly little time thinking about the decision-making process. How do people actually make decisions? What types of factors cause leaders to make poor decisions? When can we trust our gut? Entertaining descriptions of real decisions illustrate the main points.

Malaria! Didn’t We Eradicate That Decades Ago?
Michael Ferdig, Ph.D., Professor, Biological Sciences
Fevers attributed to “mal”-air have forever been linked to disease and death. Herbal remedies have cured fevers for centuries, long before the malaria parasite and its amazing infection cycle was known. Why, in this era of high technology, does this scourge prevail? Does modern science hold the key to eradication?

Managing the Foreign Exchange Risk in International Operations
Juan M. Rivera, Ph.D., Professor Emeritus, Accounting; Fellow, Kellogg Institute for International Studies
U.S. and foreign corporations have to constantly manage the risk of doing operations denominated in foreign currencies. The use of derivative financial instruments for hedging positions in a foreign currency is a common practice of multinational corporations. In addition, U.S. companies must periodically perform the translation of foreign currency financial statements of their foreign affiliates before preparing and presenting consolidated financial statements to the SEC and to its shareholders. This presentation covers the concepts and methodology to deal with issues of transactions and translations of operations in foreign currencies.
Marching to Motown
Kenneth Dye, Ed.D., M.B.A., Director, Bands; Professor, Music
Marching to Motown follows the rich musical heritage of African American music from 1868 to 1968 when the captivating rhythms of ragtime blended with jazz and transformed American music’s destiny. From the evolution of New Orleans Jazz to Big Band Swing and Rock and Roll to the Motown Sound, Americans danced, sang, and moved to an exciting rhythm and energy that entertained the world.

Marketing and the Common Good: Essays from Notre Dame on Societal Impact
Patrick E. Murphy, Ph.D., ’70, Professor, Marketing
This presentation draws on a recent book that builds on the Department of Marketing’s longstanding emphasis on marketing and societal issues. Contemporary topics that are addressed include childhood obesity, organ donation, firearms marketing and distribution, ethical issues associated with marketing in China, sustainability, and Catholic Social Thought and its relationship to marketing. An overview of these important social issues is examined in this lecture.

Mary in the Bible and in Catholic Faith
Timothy M. Matovina, Ph.D., Professor, Theology; Co-Director, Institute for Latino Studies
The core teachings on Mary in Catholicism are often misunderstood. This presentation focuses on Mary in the Bible and the four Marian dogmas in Roman Catholicism. Particular emphasis is given to the implications of teachings on Mary for contemporary Christian faith.

Math or Magic?
Richard K. Hind, Ph.D., Professor, Mathematics
Human intuition is notoriously unreliable regarding very large numbers. There are more ways to arrange a deck of cards than there are atoms in our solar system. Therefore simple demonstrations, for example involving just a deck of cards, can be used to show that some things which appear impossible are actually almost certain to occur.

Mexican Migration: Then and Now
Gilberto Cárdenas, ’72 M.A., ’77 Ph.D., Director, Notre Dame Center for Arts and Culture; Professor, Sociology; Fellow, Kellogg Institute for International Studies; Fellow, American Studies Program
This lecture addresses questions and issues pertaining to Mexican immigration, drawing on the historical foundations of immigration and the impact of government policy on contemporary flows. The presentation utilizes artistic modes of expression—art and photography—to provide insight about the social realities of migration and meaning to current discourses concerning solutions.

Miracles
John C. Cavadini, Ph.D., McGrath-Cavadini Director of the Institute for Church Life
Do miracles still occur? How can we understand the meaning of a miracle? What is the biblical and theological basis for a Catholic understanding of miracles? How do miracles serve in the process of the canonization of saints? This lecture takes up these topics and other related questions.

Moral and Character Education in Schools
Daniel K. Lapsley, Ph.D., ACE Collegiate Professor of Psychology
The moral formation of children—the teaching of “values”—is an important premise of education, yet the terms of reference for how this is to be done are surprisingly controversial. This lecture sorts out the issues in contemporary moral and character education.

Musical Leadership in the World of Business and Innovation
Kenneth Dye, Ed.D., M.B.A., Director, Bands; Professor, Music
An extraordinary correlation of music and leadership is evident in the experiential resumes of executives, military generals, conductors, and coaches. Exploring the inspirational attributes of Knute Rockne to Leonard Bernstein unveils a wealth of leadership inspired by music. Orchestrating harmonious teamwork generates a synergistic power of “team” that is greater than individual talent.
Nimble Bacteria: How They Sense Their Environment to Infect and Outwit
Patricia L. Clark, Ph.D., Rev. John Cardinal O’Hara, C.S.C., Professor of Chemistry and Biochemistry
Humans harbor ten times more bacterial cells than human cells. These bacteria include those with beneficial functions as well as pathogens. This lecture will explore strategies used by bacteria—both beneficial and pathogenic—to survive in diverse and often inhospitable niches, and discuss strategies to combat antibiotic resistance.

Notre Dame Physicists Discover the “God Particle”: Action at the Large Hadron Collider
Michael D. Hildreth, Ph.D., Professor, Physics
Notre Dame physicists are engaged in one of the most exciting scientific endeavors of our time: exploration of the highest energy particle collisions at the Large Hadron Collider. This talk includes a discussion of Notre Dame’s role in the recent discovery of the Higgs boson and its implications for the future of science.

No One Is an Island
Streit engages in an informative discussion of historic cross-disciplinary research being conducted on the stone age scourge of elephantiasis and Notre Dame’s hands-on approach to improving quality of life. This lecture is a unique presentation and experience.

Notre Dame v. Obamacare: Our Lady’s University’s Fight for Religious Freedom
Vincent Phillip Muñoz, Ph.D., Tocqueville Associate Professor of Political Science; Concurrent Associate Professor, Law
Why did Notre Dame sue the Obama administration over the HHS contraception mandate? And what does the future hold for religious liberty? This lecture, which is meant for a general audience, explains the legal and political dimensions of Notre Dame’s lawsuit as well as the history of the Supreme Court’s protection of religious free exercise.

Notre Dame and the Fight Against Extreme Poverty
Rev. Robert A. Dowd, C.S.C., Ph.D., ’87, Associate Professor, Political Science; Director, Ford Family Program in Human Development Studies and Solidarity
This lecture focuses on how Notre Dame seeks to promote human development and describes Notre Dame’s new partnerships with African universities, Congregation of Holy Cross, and other organizations in Africa. Fr. Dowd discusses how Notre Dame is seeking to make a positive, significant, and sustainable difference in the world.
Observations Following the Sumatra Tsunami in Sri Lanka

Harindra Joseph Fernando, Ph.D., Wayne & Diana Murdy Endowed Professor in Engineering & Geosciences; Concurrent Professor, Aerospace and Mechanical Engineering

The author participated in a scientific review mission to assess the damage and obtain wave and inundation data immediately following the Sumatra Tsunami. A second visit was also made with a BBC-Horizon filming team. Laboratory experiments also were conducted to identify some of the processes pertinent to non-linear wave effects on beaches. This presentation deals with the observations made on a personal basis as well as a team.

Only the Strong Can Be Gentle: Toward Spirituality for Leadership

Rev. Ronald J. Nuzzi, Ph.D., Senior Director, The Alliance for Catholic Education (ACE)

The world of politics and business has certain expectations for leadership. The Catholic tradition, including the Scriptures, the life of Jesus, and the example of the saints, is instructive about a Catholic approach to leadership. Those with authority over others at work or at home can bless their life situations by developing a spirituality that is oriented to leadership.

Origin of the Elements of Life

Timothy C. Beers, Ph.D., Chair, Galactic Archaeology; Professor, Astrophysics

This lecture tells the story of the origin of the fundamental elements required for life as we know it—Carbon, Nitrogen, and Oxygen—based on observations of the "stellar fossils" that have recorded their birth in the early Universe.

Our Lady of Guadalupe: Faith and Tradition

Timothy M. Matovina, Ph.D., Professor, Theology; Co-Director, Institute for Latino Studies

The Basilica of Our Lady of Guadalupe in Mexico City is the most visited pilgrimage site in the Western Hemisphere. Pope John Paul II acclaimed Guadalupe as the patroness of the Americas. This presentation examines the ever-expanding influence of Guadalupe in both the Church and society.

Outrageous Energy Prices

Thomas A. Gresik, Ph.D., Professor, Economics; Fellow, Kellogg Institute for International Studies; Fellow, Nanovic Institute for European Studies

Americans have witnessed tremendous swings in energy prices over the last few years. How do current U.S. policies and international events contribute to these volatile prices? Is Congress pursuing policies that will promote stable and affordable energy prices, while also promoting environmental protection and energy security? This lecture explores the many sources of our current energy situation and discusses the likely impact of current initiatives and policy proposals.

Parental Choice: An Issue of Social Justice

Patricia A. O’Hara, ’74 J.D., Professor, Law

Catholic primary and secondary schools face daunting challenges. The stakes could not be higher for sustaining a transformative system of education. Can a case be made as a matter of social justice for tax credits and vouchers for parents who choose Catholic schools for their children?

Play Like a Champion Today: Putting Fun and Virtue First in Youth Sports

F. Clark Power, Ed.D., Professor, Program of Liberal Studies; Director, Play Like A Champion™; Concurrent Professor, Psychology; Fellow, Institute for Educational Initiatives

Youth sports are in trouble as sports-related injuries mount, incivility on the sidelines has become commonplace, and 70% of children drop out of sports at age 13. Power shows how Notre Dame's Play Like a Champion Today is helping sports leaders to chart a new course for youth sports in the United States.
Powering the Planet in a Carbon-Constrained World
Edward J. Maginn, Ph.D., Dorini Family Professor and Department Chair, Chemical and Biomolecular Engineering
Many global problems could be solved if more people had access to plentiful and inexpensive energy. Unfortunately, most primary energy sources are carbon-intensive. This lecture discusses where we currently get our energy from and highlights technologies under development at Notre Dame and elsewhere that reduce the carbon intensity of our power.

Precision Medicine—Notre Dame’s Bold Initiative to Lead the 21st Century Revolution in Personalized Healthcare
Paul W. Bohn, Ph.D., ’77, Arthur J. Schmitt Professor, Chemical and Biomolecular Engineering; Professor, Chemistry and Biochemistry
The era of personalized medicine is dawning—and we now have the tools to shape individualized health solutions. Notre Dame’s bold vision for precision medicine moves beyond the state-of-the-art, taking an individual molecular snapshot, helping clinicians to provide the right treatment to the right person at the right time.

Preventing Coastal “Dead Zones” from a Distance
Jennifer L. Tank, Ph.D., Ludmilla F., Stephen J., & Robert T. Galla Professor of Biological Sciences; Director, Notre Dame Environmental Change Initiative
Excess fertilizer nutrients from Midwestern farms enter waterways and contaminate drinking water, reduce biodiversity, and fuel algal blooms in the Gulf of Mexico and Great Lakes. Professor Tank’s research explores new conservation strategies to reduce excess agricultural nutrients headed for sensitive coastal systems, helping to prevent dead zones from a distance.

Presidential Elections on Film and Television
Susan C. Ohmer, Ph.D., Associate Professor, Film, Television, and Theatre; The William T. Carey and The Helen Kuhn Carey Chair in Modern Communications
After an historic presidential election, we will look at how films such as “Primary Colors,” “The War Room,” “Journeys with George,” and “Game Change,” and TV programs such as “The West Wing” and “House of Cards,” have dramatized and criticized the election process.

Princess Culture
Susan C. Ohmer, Ph.D., Associate Professor, Film, Television, and Theatre; The William T. Carey and The Helen Kuhn Carey Chair in Modern Communications
The Disney studio has created animated cartoons featuring princesses since the debut of Snow White in 1937, but in recent years princess culture has become a global economic force. This talk examines the history and significance of princess culture and what it reveals about changing women’s roles.

Private Property and Public Use: The Debate Over Eminent Domain
Daniel Kelly, J.D., ’02, Professor, Law
Private property is central to the American experiment. But property is subject to the government’s power of eminent domain. Recently, cities and states have invoked eminent domain not only for roads and schools—traditional “public uses”—but also for private economic development. Are these takings justifiable?

Public-Private Partnerships
Kasturi Haldar, Ph.D., Julius A. Nieuwland, C.S.C., Professor of Biological Sciences; Director, Center for Rare and Neglected Diseases (CRND)
Public-Private Partnerships (PPP) represent collaborative business models for pharmaceutical companies, academic researchers, and the government to form partnerships for research and the development of therapeutics. This lecture discusses CRND’s engagement in the development of drugs and vaccines for rare and neglected diseases in ways that were previously impossible.
Quantum Mechanics Got Us into This Mess and Will Help Get Us Out
William F. Schneider, Ph.D., Professor, Concurrent Professor, Chemistry and Biochemistry

Society is confronted with a dizzying array of environmental and energy challenges, most of which can be traced back to basic chemistry. In this talk, Professor Schneider will describe how the 1920’s quantum theory revolutionized our understanding of chemistry, the implications for modern problems like climate change, and how quantum theory married with modern computers is leading the way to revolutionary solutions.

Race, Perseverance, and Catholicism (Evidence from National Black Catholic Survey)
Darren W. Davis, Ph.D., Professor, Political Science; Director, Center for Social Research

A current crisis facing the Catholic Church is the monotonic decline of American citizens who identify as Catholic. Beginning roughly in the 1960s, successive generations of Catholics have shown a weaker sense of religious engagement and Catholic identity. But, within this larger context of secularization and declining Catholic identifiers, African American Catholics have shown a greater resiliency and higher levels of religious engagement than white Catholics. What accounts for this difference and what does it tell us about the future of Catholicism in America? Based on the results of a national survey, this lecture explores how African American Catholics’ religious engagement and identity inform whites’ declining Catholic identity.

Recent Catholic Social Thought: A Spirituality for Business Life
Rev. Oliver F. Williams, C.S.C., Ph.D., ’61, ’69 M.A., Associate Professor, Management; Fellow, Joan B. Kroc Institute for International Peace Studies; Director, Center for Ethics and Religious Values in Business

Catholic social teaching took a remarkable turn with the May 1991 document on economic ethics, Centesimus Annus. During their 100-year history, Church documents were notable for their courageous championing of the rights of the least advantaged; they were much less distinguished for their understanding of how markets and incentives function in capitalism. With this 1991 document, however, there is a growing conviction that the Church has come of age in economic ethics. The 2012 document from the Pontifical Council of Justice and Peace, The Vocation of the Business Leader, and the 2015 Encyclical on the Environment (Laudato Si’) are excellent resources for business people. The lecture outlines the highlights of the documents, the points of continuity with the tradition, and the prospects for developing a spirituality for business life.

Reconstructing Ancient Corinth
Robin F. Rhodes, Ph.D., Associate Professor, Art, Art History, Design; Concurrent in Classics and Architecture

This lecture introduces the audience to the significance of Corinth as an architectural and cultural center as significant to the ancient world as Athens, and presents the goals, methods, and accomplishments of the Corinth Architecture Project, directed by Professor Rhodes and supported by the National Endowment for the Humanities, the Kress Foundation, and Notre Dame.

Religion and Intellectuals
Mark W. Roche, Ph.D., Rev. Edmund P. Joyce, C.S.C., Professor, German Language and Literature; Concurrent Professor, Philosophy

Why do so many educated persons lose their faith? What arguments seem to speak against religion, and how are these arguments to be weighed? The presentation considers these issues along with the questions: What paths to religion exist for the educated person? And which seem to be the most promising?
Religion at the Epicenter: Facts and Fables
Karen E. Richman, Ph.D., Director, Migration and Border Studies, Institute for Latino Studies; Concurrent Associate Professional Specialist, Anthropology

The earthquake that struck Haiti on January 12, 2010, took a devastating toll on property, resources, and human life. An estimated 230,000 people died, 300,000 were injured and 1,000,000 made homeless. The impacts of the earthquake on religious faith and practice are less clear. The lack of data on the religious implications of the earthquake, however, has not hampered the production of speculative claims about the role of Vodou in Haitians’ experience of the catastrophe. This lecture explores how Haitians’ religious beliefs have influenced their perceptions of the earthquake. The discussion will also consider whether and to what extent the earthquake has affected their religious beliefs and practices.

Risk-Taking in Adolescence
Daniel K. Lapsley, Ph.D., ACE Collegiate Professor of Psychology

This lecture examines risk behavior in adolescence and several possible explanations for it, including recent evidence that poor judgment in adolescence is linked to normative brain maturation. This lecture concludes with some ideas about how one context—the school—might play a role in moderating problem behaviors in adolescents.

Reputation Management
James S. O’Rourke IV, Professor, Management; Arthur F. and Mary J. O’Neil Director, Fanning Center for Business Communication

People are having a conversation about you and your brand, but you may not even be aware of what they’re saying. What people think of you honestly matters, because reputation affects revenues, market value, hiring, business partnerships and more. Learn about this measurable, manageable, strategic asset.

Restoring Vision with New Genetic Technologies
Joseph E. O’Tousa, Ph.D., Professor, Biological Sciences

Many diseases of the visual system have a genetic basis. Fortunately, there have been significant advances in the understanding of these diseases. This knowledge is now being used to create new genetic technologies that promise novel therapies to combat vision loss.

Run From the Earthquake, Fall into the Abyss: A Léogane Paradox
Karen E. Richman, Ph.D., Director, Migration and Border Studies, Institute for Latino Studies; Concurrent Associate Professional Specialist, Anthropology

Koridò (Corridor) is a hamlet in the rural community of Ti Rivyè, Léogane, Haiti and the anchor of a transnational community. The home base of Koridò lies closer to the epicenter of the earthquake on January 12, 2010, than the capital city, Port-au-Prince, to the east and the town of Léogane to the west. Whereas losses in the capital and the town were catastrophic, the people of Koridò survived the cataclysm almost unscathed. This lecture explains how the everyday practices of the people of Koridò got them out of the way of the earthquake and why, despite both their survival of the cataclysm and their intimate and intricate ties to migrants “outside,” they are nonetheless standing precariously at the edge of the abyss.

Russia After Communism: Friend or Foe? Democratic or Authoritarian? European or “Eurasian”?
Alexander Martin, Ph.D., Professor, History

From the 1980s until today, Russians have faced historic choices about their place in the world and who they are as a state and a people. Drawing on three decades of research and travel in Russia, this presentation will examine aspects of Russia’s momentous transformation from Gorbachev to Putin.
Save Our Schools, Save Our Country, and Save Your Family  
Brian S. Collier, Ph.D., Graduate Faculty, Alliance for Catholic Education (ACE); Fellow, Institute for Educational Initiatives; Affiliate Faculty, Poverty Studies, American Studies, and Education, Schooling and Society  
Families are not beholden to schools, but schools should be beholden to families. This engaging, humorous history-based lecture promises to cause everyone to go home with ideas about how to change their own family structure to ensure their kids are getting the education they need to help re-shape America.

Science vs. Religion: The Compatibility and Complementary Flourishing of Catholicism and the Natural Sciences  
Brad S. Gregory, Ph.D., Professor, History; Director, Institute for Advanced Study; Fellow, Nanovic Institute for European Studies  
Angry disputes between anti-evolutionary creationists and neo-Darwinian atheists persist, but this lecture shows how Catholicism avoids the pitfalls of both by exploring Catholic teaching about God and creation in relationship to the natural sciences’ investigation of the natural world.

“Seeing” Particles and Interactions  
Randal C. Ruchti, Ph.D., Professor, Physics  
High Energy physicists seek to discover the fundamental particles and interactions upon which our universe is built. The Notre Dame High Energy Group is actively engaged in a major experiment in Europe called Compact Muon Solenoid (CMS), which is rapidly advancing our knowledge of this physics, at the Large Hadron Collider at the CERN Laboratory in Geneva, Switzerland. The presentation focuses on how we detect particles and interactions. A hand-held particle detector, developed at Notre Dame with the help of teachers and students, shows three of the fundamental elements of matter: electrons, photons, and muons—right at the lecture. This type of detector has been placed in high energy particle beams to reveal visually the interactions of particles with matter, and video of such interactions will be presented.

Serving the Least, the Last, the Lost, and the Lonely I  
Rev. David T. Link, LL.D., D.Lit., D.Sc., D.H.L., ’58, ’61 J.D., Joseph A. Matson Dean Emeritus and Professor of the Law School; President Emeritus of the University of Notre Dame Australia  
This lecture discusses the rights and needs of incarcerated men and women.

Serving the Least, the Last, the Lost, and the Lonely II  
Rev. David T. Link, LL.D., D.Lit., D.Sc., D.H.L., ’58, ’61 J.D., Joseph A. Matson Dean Emeritus and Professor of the Law School; President Emeritus of the University of Notre Dame Australia  
This lecture discusses the rights and needs of people who are homeless and of incarcerated men and women.

Small Differences in the Structure of Children’s Input Can “Add Up”  
Nicole McNeil, Ph.D., Alliance for Catholic Education (ACE) Associate Professor, Psychology; Director, Education, Schooling, and Society Minor (ESS); Fellow, Institute for Educational Initiatives (IEI)  
It is obvious that large-scale differences in children’s environments (e.g., differences in socioeconomic status) affect mathematics achievement, but what about small-scale differences? In this talk, McNeil will present evidence that even minor differences in the structure of input can snowball to yield important differences in children’s understanding of fundamental math concepts.
Social Ventures: Putting Undergraduates at the Frontier of Scientific Discovery in Rare and Neglected Diseases

Kasturi Haldar, Ph.D., Julius A. Nieuwland, C.S.C., Professor of Biological Sciences; Director, Center for Rare and Neglected Diseases (CRND)

Disease pathways define the natural histories of symptoms, a process that is critical to discovering diagnostics and treatments. Dr. Haldar’s presentation and CRND’s service projects place undergraduates at the frontier of scientific discovery as they define clinical histories, create disease libraries, and map markers to clinical scales.

Spires, Domes, and Dormitories: The Architecture of the Catholic Campus

Duncan G. Stroik, M.Arch., Professor, Architecture

What can we learn from the great campus designs of Europe and the United States, and how can the architecture of a campus contribute to its mission as a Catholic university?

Sports and the Common Good

Edmund P. Edmonds, J.D., ’73, Associate Dean, Director, Kresge Law Library

Sports has an enormous potential for advancing the common good. This lecture explores aspects of sports supporting human flourishing including inclusion and team dimensions, positive role models, the ability of sports to promote peace and positive governmental objectives, and justice and ethics.

Stone Age People in a Space Age World: Changing Concepts of Health and Illness

James J. McKenna, Ph.D., Rev. Edmund P. Joyce, C.S.C., Chaired Professor in Anthropology; Director, Mother-Baby Behavioral Sleep Laboratory

This lecture is based on McKenna’s edited book Evolutionary Medicine, that explores how new ways of conceptualizing, defining, preventing, and potentially curing human illnesses and degenerative diseases are shown to be emerging from an unlikely source—models of human evolutionary biology. This lecture furthers the understanding of natural selection and shows that evolution is alive and well in the new millennium, and ready to emerge in our physicians’ offices. It also discusses medical research and patterns of healing.

Tax Dollars for Foreign Aid: $$ Going Down a Rat Hole?


Given the experience of living for much of the last 23 years in the developing world, Fr. Streit offers a realistic perspective of both pitfalls and benefits to development work, and to what degree the U.S. should be engaged. This talk often provokes a lively discussion among attendees.

The Adoption of IFRS by Public Corporations in the World

Juan M. Rivera, Ph.D., Professor Emeritus, Accounting; Fellow, Kellogg Institute for International Studies

Companies from EU countries require corporations to comply with International Financial Reporting Standards (IFRS). In the U.S., the SEC prescribes accounting principles issued by the Financial Accounting Standards Board (FASB). Managers should be prepared to understand the impact of these two accounting reporting models on the financial statements of U.S. and foreign firms.

The American Constitutional Tradition: Historic Strengths and Current Challenges

Walter J. Nicgorski, Ph.D., Professor Emeritus, Program of Liberal Studies; Concurrent Professor, Political Science

Noting the Constitution’s remarkable endurance, rare amendment, and often-helpful flexibility, this lecture explores six challenges to the present American political order: erosion of its moral foundations, the tension between liberty and security, judicial expansiveness, the threat to religious liberty, the shadow of globalization, and the extent of inequality.

The American Revolution in Three Paintings

Patrick N. Griffin, Ph.D., ’87, Madden-Hennebry Professor and Chair of History

This lecture will explore the origins, progress, and end of the American Revolution by examining three iconic paintings.
The Art and Landscape of Greece
Robin F. Rhodes, Ph.D., Associate Professor, Art, Art History, Design; Concurrent in Classics and Architecture
Based on Rhodes’ conception, design, and experience of a three-week total immersion course, The Art and Landscape of Greece, this lecture highlights students’ experiences in the landscape of Greece. Set down in an alien landscape and forced to move through it, stretched to the limits physically and sometimes emotionally, the students are lifted completely out of their familiar comfort zone. They replenish their bodies at the end of the day in a little Greek village, full of Greek villagers and customs, words and music, and little old ladies in black.
Paradoxically, total immersion in the landscape and culture of Greece lifts students, often for the first time, into the realm of the outsider, the observer, the recorder, an empathetic realm appropriate for contemplation of the nature of landscape—personal, physical, and metaphorical—and their place in it. Experience the art and landscape of Greece through the eyes of students that experienced this three-week total immersion course.

The Bible and the Qur’an
Gabriel Said Reynolds, Ph.D., Professor, Theology
To Muslims the Qur’an is the uncreated, eternal Word of God. As Jesus Christ is to Christians, the Qur’an to Muslims is the fullest expression of God’s concern for humanity. It is the source of spiritual wisdom and the constitution for a perfect society. It is the only faithfully-preserved scripture. To critical scholars, however, things are more complicated. Today the discovery of ancient manuscripts and the rise of cutting-edge research challenge traditional Islamic views about the Qur’an. This lecture will discuss the latest academic debates about the Qur’an and focus on the question of its relationship to the Bible.

The Birth of Modern Family Law
Barry Cushman, Ph.D., John P. Murphy Foundation Professor of Law
This lecture surveys the dramatic changes in the laws of divorce, child custody, adoption, the inheritance rights of children, and the property rights of married women that occurred during the 19th century. Racial and other restrictions on marriage, compulsory eugenic sterilization, and the federal campaign against polygamy are also considered.

The Challenges of Peacebuilding in a World of Violence
George A. Lopez, Ph.D., Hesburgh Professor of Peace Studies, Emeritus
Syria, Iraq, ISIS, etc., illustrate the grotesque violence of our era. Many pundits and professional politicians suggest that this global violence, and especially terrorism, is worse than ever and makes peace a fantasy. This presentation will challenge both claims and will show that as violence has become more destructive of communities there are new pathways to building peace that, ironically, require more ‘average’ citizens to be involved than it needs pundits or politicians. This presentation will illustrate how this is happening—and might involve YOU!

The Changing American Voter in 2016 and Beyond
Luis Ricardo Fraga, Ph.D., Co-Director of the Institute for Latino Studies; Arthur Foundation Endowed Professor of Transformative Latino Leadership; The Joseph and Elizabeth Robbie Professor of Political Science
There is much discussion about the way that demographic changes related to an aging population, increased ethnic and racial diversity, and growing income disparities affect American politics. Which of these trends likely made a difference in the 2016 Presidential election? How do they affect Republican and Democratic Parties? What are the implications of these demographic changes for the future of American politics?

The Church
John C. Cavadini, Ph.D., McGrath-Cavadini Director of the McGrath Institute for Church Life
Recent scandals in the Church have prompted many to have a renewed interest in the theology of the Church. What is an authentic Catholic theology of the Church? This lecture examines the Catholic Church’s understanding of the theology of the Church in light of questions occasioned by the recent scandals.
The Corner of Notre Dame Avenue and Main Street: Community-Engaged Scholarship at Notre Dame

James M. Frabutt, Ph.D., ’95, Senior Advisor to the Provost, Office of the Provost; Faculty, Mary Ann Remick Leadership Program, Alliance for Catholic Education (ACE)

There is great movement toward harnessing the potential of university scholarship for benefiting the common good. In fact, many universities prize such community-based efforts, embracing the moniker of engaged institutions. This presentation highlights faculty and staff efforts to contribute to community change and student learning at the local, national, and international levels.

The Costs and Benefits of Reducing Carbon Emissions

Richard A. Jensen, Ph.D., Gilbert F. Schaefer Professor of Economics

Many studies have estimated the costs of reducing carbon emissions. This lecture explains the reasons for these widely-varying estimates, converts them into reductions of income per person, and estimates the anticipated benefits of reduced emissions.

The Current State of Intercollegiate Athletics

Edmund P. Edmonds, J.D., ’73, Associate Dean, Director, Kresge Law Library

Intercollegiate football is facing a number of challenges including Northwestern’s unionization efforts, concussion litigation, pay-for-play issues, and reorganization involving the top football playing program. This lecture will address these issues and the overall state of intercollegiate athletics.

The Eucharist As the Embodiment of Love

Rev. Michael S. Driscoll, Ph.D, S.T.D., Associate Professor, Theology

In the past fifteen years, the Eucharist has been a prominent theme. Pope Francis in his exhortation The Joy of the Gospel writes: “God’s word, listened to and celebrated, above all in the Eucharist, nourishes and inwardly strengthens Christians, enabling them to offer an authentic witness to the Gospel in daily life.” This lecture attempts to find the connection between cult, creed, and code, to the extent that how we pray shapes what we believe and how we act as Christians living in the world.

The Evolution of Wisdom

Celia Deane-Drummond, Ph.D., Professor, Theology

What might anthropology have to say to theological accounts of the human? This talk will discuss the way theologians and evolutionary anthropologists have been working together to discover the deepest roots of our distinctive human capacity for wisdom.

The Federalist Papers: A Unique and American Great Book

Walter J. Nicgorski, Ph.D., Professor Emeritus, Program of Liberal Studies; Concurrent Professor, Political Science

This lecture explores the origin and nature of this influential collection, a text that has often functioned as a commentary on the Constitution. The lecture samples the book’s rich insights into political life and human nature, and traces its role in good and bad times such as those of the Nixon resignation and the Clinton impeachment.

The Foreign Corrupt Practices Act (FCPA)

Juan M. Rivera, Ph.D., Professor Emeritus, Accounting; Fellow, Kellogg Institute for International Studies

The Foreign Corrupt Practices Act (FCPA) prohibits corporations from bribing foreign officials to secure businesses in foreign countries. The SEC and the U.S. Department of Justice enforce compliance with this law and impose severe penalties for violations committed by corporations and individuals who represent them or act on their behalf.
The Francis Effect and Mercy
Rev. Michael S. Driscoll, Ph.D., S.T.D., Associate Professor, Theology
In March 2015, Pope Francis announced a Holy Year focusing on mercy. Indebted to the theological writings of Cardinal Walter Kasper, this lecture will examine the message of mercy, with particular attention to the Bishops’ Synod on the Family and the post-synodal exhortation The Joy of Love.

The HHS Contraceptive Mandate and Religious Liberty
O. Carter Snead, J.D., Professor, Law; W.P. and H.B. White Director of the Notre Dame Center for Ethics and Culture
This lecture examines the recent controversies surrounding the federal mandate that employer health plans entitle plan members to all FDA approved contraceptives (including those that may cause early abortions) without cost sharing, regardless of the religious or moral objections of employers.

The Future of Jerusalem: Peace or Apocalypse?
Atalia Omer, Ph.D., Associate Professor, Religion, Conflict, and Peace Studies
Jerusalem is a holy city for many religions. It is believed to represent heavenly eternal peace but is also the source of earthly and historical violence. What are the historical, theological, political, and social sources of this contested legacy? What are the prospects of building peace with justice in such a volatile context?

The Higgs Boson: Have We Finally Discovered the “God Particle”? 
Mitchell R. Wayne, Ph.D., Professor, Physics
In July 2012, physicists in Geneva, Switzerland announced the discovery of a new elementary particle—the Higgs boson, commonly referred to in the press as the “God Particle”. This talk reviews the history of particle physics, how this discovery was made, and why it is so significant.

The Global Freshwater Crisis—Challenges and Solutions
Gary A. Lamberti, Ph.D., Professor, Biological Sciences
Fresh water is arguably the planet’s most imperiled resource, with more than one billion people lacking access to clean water. Clean water is arguably the “new oil.” How will the environment and human populations deal with this fresh water crisis, and what are possible solutions to ensuring a plentiful supply of clean fresh water for future generations?

The Humanity of Animals and the Animality of Humans
Agustin Fuentes, Ph.D., Professor and Chair, Anthropology
We live with, eat, and write about animals, and even create animals in the laboratory. This lecture focuses on the dynamic and fascinating interactions we have with other animals and how they play roles in our lives and histories, with a special focus on humans and their relationships with primates and dogs.

The Impact of the Dead Sea Scrolls on Our Bible
Eugene C. Ulrich, Ph.D., Professor Emeritus, John A. O’Brien Chair, Hebrew Scripture, Theology
The 230+ Hebrew and Greek biblical scrolls are 1,000 years older than other manuscripts. They illuminate a previously undocumented period in the history of the Bible, showing a developmental process of composition and raising questions about revelation and inspiration. Their superior readings have improved recent translations of the Bible.
The Incredible Saga of Pacific Salmon
Gary A. Lamberti, Ph.D., Professor, Biological Sciences

Pacific salmon are among the most remarkable organisms on earth. In their spawning migration, Pacific salmon must negotiate a gauntlet of lethal predators, physical forces, and environmental degradation only to die after spawning. The mysteries of their return to their birth place and evolutionary reasons for their death will be explored in this lecture.

The Interesting Geometry of the Sydney Opera
Alexander J. Hahn, ’68 M.S., ’70 Ph.D., Professor, Mathematics

The design in the 1950s for an opera and concert hall on a dramatic piece of land jutting into a harbor had the potential of becoming one of the great buildings of the world. This talk in pictures focuses on the geometric problems that arose in the realization of the Sydney Opera.

The Lab for Economic Opportunities (LEO): Where Academics Join Service Providers in the Fight Against Poverty
William N. Evans, Ph.D., Professor, Economics and Econometrics or James X. Sullivan, Ph.D. ’93, Associate Professor, Economics

Established in 2012, LEO is a collaborative research center where social service providers and academic researchers work together to design, implement, and evaluate domestic anti-poverty programs. The Lab’s primary partner is Catholic Charities, the largest private provider of services to the poor in the U.S. The goal of this partnership is to apply rigorous research methods to build scalable programs and policies that help permanently lift people out of poverty. The Lab also provides an opportunity for Notre Dame undergraduates to be involved in anti-poverty research under the direction of leading poverty scholars.

The Law, Ethics, and Policy of Assisted Suicide, Euthanasia, and End-of-Life Decision-Making
O. Carter Snead, J.D., Professor, Law; W.P. and H.B. White Director of the Notre Dame Center for Ethics and Culture

This lecture explores the many and varied aspects of assisted suicide, euthanasia, and end-of-life decision-making, including its ethical, legal, and medical dimensions.

The Law, Ethics, and Policy of Stem Cell Research and Human Cloning
O. Carter Snead, J.D., Professor, Law; W.P. and H.B. White Director of the Notre Dame Center for Ethics and Culture

This lecture explores the many and varied aspects of human cloning and stem cell research, including its ethical, legal, and scientific dimensions.

The Lost Art of Dress
Linda Przybyszewski, Ph.D., Associate Professor, History; Concurrent Professor, Law

Before the 1960s, millions of American girls learned how to dress from the Dress Doctors, women who taught that dress was an art and sewing a science. The young Baby Boomers flung all their rules away, but we can still recover the lost art of dress.

The Morality of the Liberal Arts
Walter J. Nicgorski, Ph.D., Professor Emeritus, Program of Liberal Studies; Concurrent Professor, Political Science

This lecture addresses the following question: does the exercise of the critical faculties and the broadening experience of a liberal education contribute to or undermine good character and good citizenship? In addressing this question, this lecture clarifies the differences between general learning, technical expertise, the liberal arts, and the humanities.
The National Football League’s Legal Challenges

Edmund P. Edmonds, J.D., ’73, Associate Dean, Director, Kresge Law Library

The National Football League currently faces numerous legal challenges involving concussions, broadcasting and media rights, and retired player publicity rights. The lecture will analyze these issues and the current legal climate in professional football.

The Origins of Monumental Architecture in Greece

Robin F. Rhodes, Ph.D., Associate Professor, Art, Art History, Design; Concurrent in Classics and Architecture

The original purpose of the Doric order was to inspire an appropriate state of mind for approaching the boundary between human and divine. This lecture attempts to understand all elements of the early Doric order as components of a complex program of religious inspiration and transformation.

The Perils and Promise of Adolescence

Daniel K. Lapsley, Ph.D., ACE Collegiate Professor of Psychology

Parents often expect the adolescence of their children to be fraught with “storm and stress.” Yet there are many misconceptions about normal and abnormal adolescent development. This lecture addresses the sources of risk and resilience for teens and their parents as they navigate the second decade of life.

The Political Economy of the U.S. and China’s Relationship in the New Century

Kwan S. Kim, Ph.D., Professor Emeritus, Economics; Faculty Fellow, Kellogg Institute for International Studies and Liu Institute for Asian Studies

The rise of China as a superpower in this century underscores global concerns with its prospective role in the global economy. China made increasingly assertive territorial claims along the “internationally disputed” island chain surrounding its coastal line. The U.S. in this respect tries to safeguard its allies’ territorial integrity on the disputed chain islands in attempts to deter China’s expansionism. Are there any alternative strategies to peacefully deter China’s ambitions? Is the American strategy to contain China militarily and/or economically (for example, latest TPP) a right answer? These are some of the issues this lecture addresses.

The Reformation Era and the Makings of Modernity

Brad S. Gregory, Ph.D., Professor, History; Director, Institute for Advanced Study; Fellow, Nanovic Institute for European Studies

This lecture discusses ways in which the conflicts of the Reformation era prompted unintended historical developments that created the modern Western world, and without which we cannot understand contemporary problems such as the presumed conflict between science and religion, unending moral disagreements, global climate change, and the secularization of knowledge.

The Religious Prints of Rembrandt: The Childhood of Christ

Charles M. Rosenberg, Ph.D., Professor Emeritus, Art History

Rembrandt produced about eighty etchings dedicated to biblical and devotional themes. Focusing on examples from the Snite Museum’s Feddersen Collection of Rembrandt prints, this lecture explores the manner in which those prints dedicated to the childhood of Christ reveal the artist’s insights into the nature of family and the importance of humility and faith.
The Right Questions About School Choice: Education, Religious Freedom, and the Common Good

Richard W. Garnett, J.D., Professor, Law; Concurrent Professor, Political Science; Fellow, Institute for Educational Initiatives

Many education reformers contend that parents deserve a meaningful opportunity to choose the best school for their children. What is the state of the school-choice debate in the courts, in our legislatures, and in the public square? What questions and concerns should shape our thinking about education funding and policy?

The Rise of Secularism in America

David E. Campbell, Ph.D., Packey J. Dee Professor of American Democracy; Chair, Political Science

In the past 25 years, there has been a stunning rise in the percentage of Americans with no religious affiliation. Today, nearly 1 in 5 Americans have no religion—and, among Millennials, it is 1 in 3. What are the causes of this dramatic change in American society? What might it mean for the future?

The Role of Science in Making Law and Policy: The Case of Public Bioethics

O. Carter Snead, J.D., Professor, Law; W.P. and H.B. White Director of the Notre Dame Center for Ethics and Culture

This lecture explores the appropriate role and limits of science for making law and public policy in the context of public bioethics (e.g., stem cell research, cloning, end-of-life decision-making).

The Role of Sports in American Culture

Anne G. Coleman, Ph.D., Associate Professor, American Studies

Sports reflect America’s dominant values but also highlight our divisions. They function at once as expressions of art, identity, and labor. From early 20th century leisure practices to the NFL’s concussion crisis, when and how have sports become a site of struggle? What can we learn from them?

The Sistine Chapel: History and Meaning

Charles M. Rosenberg, Ph.D., Professor Emeritus, Art History

The Sistine Chapel is one of the most famous masterpieces of the Renaissance. This lecture considers a number of issues relating to the frescoes which cover the walls and vaults of this sacred space, including their meaning and their relationship to the chapel’s functions in both the past and the present.

The Society That Mistook Its Children for Bats

James J. McKenna, Ph.D., Rev. Edmund P. Joyce, C.S.C., Chaired Professor in Anthropology; Director, Mother-Baby Behavioral Sleep Laboratory

This lecture reviews western child care practices from the standpoint of human infant biology, western cultural history, cross-cultural (anthropological) data, and the evolution of human infant vulnerabilities. Infants sleeping alone in cribs with minimal, if any, nighttime feedings and contact, reveal that these practices closely resemble the caretaking patterns of many bat species, but not primate species. McKenna examines who human infants are, what they need for healthy development, and how these social ideologies became entwined with—and mistaken for—vulnerabilities.

The Specialized Visual System of Mosquitoes

Joseph E. O’Tousa, Ph.D., Professor, Biological Sciences

O’Tousa’s research on insect visual systems includes the study of the mosquitoes responsible for malaria and other major threats to global health. Mosquitoes possess a highly specialized visual system that enables efficient host-seeking and other behaviors. O’Tousa discusses these capabilities within the context of how all visual systems function.

The Supreme Court: Current Controversies

Amy Barrett, J.D., ’97, Professor, Law

What are the most important cases that the Supreme Court has decided recently? This lecture addresses both recent blockbusters and significant cases that are currently pending.
The Taxing Task of Taxing Transnationals
Thomas A. Gresik, Ph.D., Professor, Economics; Fellow, Kellogg Institute for International Studies; Fellow, Nanovic Institute for European Studies

According to highly publicized media accounts, transnational firms are very adept at not paying taxes on their corporate profits. Does such behavior undermine or benefit national economies? What role do tax-haven countries play in the world economy, and do they serve criminal interests more than legitimate business interests? This lecture discusses the good, the bad, and the ugly of transnational business.

The Traditions and Developments of the American Marching Band
Kenneth Dye, Ed.D., M.B.A., Director, Bands; Professor, Music

Starting with Military Band, American marching bands have attained global admiration. Inspired by the growth of football, the Olympics, American instrument ingenuity, and even Walt Disney, bands have brought great joy, pride, and inspiration to their students and fans. We will relive these musical moments in sights and sounds.

The Unholy Trinity: Vector, Parasite, Host
Mary Ann McDowell, Ph.D., Associate Professor, Biological Sciences

Insect-borne diseases, like malaria and leishmaniasis, continue to scourge the world. Successful control strategies to combat these devastating diseases will undoubtedly be multifactorial, combining attacks on human infections and targeting diverse aspects of pathogen biology.

The UN Global Compact—The Sustainable Development Goals and the Common Good
Rev. Oliver F. Williams, C.S.C., Ph.D., ’61, ’69 M.A., Associate Professor, Management; Fellow, Joan B. Kroc Institute for International Peace Studies; Director, Center for Ethics and Religious Values in Business

“Sustainability” is often a synonym for corporate social responsibility (CSR) and corporate citizenship. Organizations must find out what sustainability means for them and how to implement it. In light of globalization and world trade, many business leaders, academics, and stakeholders see that business should take a greater role in solving problems of the wider society. For business to flourish, society must flourish. The United Nations Global Compact, an initiative on the part of businesses to promote and enhance the common good, and the Sustainable Development Goals passed by the United Nations in 2015, are an excellent roadmap for business leadership for a better world for all.

The U.S. Constitution: A Broken Document in Need of Change
Donald P. Kommers, Ph.D., The Robbie Professor Emeritus, Political Science and Law

Is the U.S. Constitution an outdated document? Can an 18th century constitution still function adequately in the 21st century? Are we in need of a new constitution? Some commentators have begun to suggest that the American constitution is a broken document and needs to be changed if our democracy is to survive in the 21st century. In addressing the validity or propriety of this criticism, this lecture reassesses the U.S. Constitution in the light of the democracy that America has become since the American founding in 1787.

The Writing of the Gospels
Timothy M. Matovina, Ph.D., Professor, Theology; Co-Director, Institute for Latino Studies

Knowing how early Christians’ experience and memory of Jesus came to comprise the gospels helps us understand, believe, and pray with these Scriptures. This presentation examines the formation of the gospel tradition from the life of Jesus to the Church’s acceptance of the canonical Gospels some four centuries later.
Theodore Roosevelt and the Modern American Presidency
Peri Arnold, Ph.D., Professor, Political Science
Theodore Roosevelt served amidst great social and economic challenges. This lecture will examine how he broke the constraints of traditional presidential leadership to confront new challenges, foreshadowing later activist presidents. We will also discuss Roosevelt’s break with his successor, William Howard Taft, and his attempt to regain the presidency in 1912.

“They say he has sold himself to the devil for a pretty face.” Narcissism in Oscar Wilde’s The Picture of Dorian Gray
Vera B. Profit, Ph.D., Professor Emerita, German and Comparative Literature
In The Devil Next Door, Profit names the eight characteristics of individual evil: victimization of body and/or spirit, failure to recognize the separateness of others, their depersonalization, unmitigated narcissism, the unsubordinated use of power, scapegoating, lying, and the total inability to heed legitimate criticism. As it constitutes the root of all these facets, this presentation focuses on narcissism.

This Is Not Your Father’s Classroom: Adapting Teaching Methods to the Ever-Changing World
Małgorzata Dobrowolska-Furdyna, Ph.D., Professor, Physics
Due to rapid advances in technology, children from a young age are computer literate and at ease with new technological tools and media. Therefore, it is imperative for the teacher to adjust to this new type of student. This lecture discusses how technology can be harnessed to achieve this goal.

To Heal or Not to Heal: Acceleration of Diabetic Wound Repair
Mayland Chang, Ph.D., Research Professor, Department of Chemistry and Biochemistry; Director, Chemistry-Biochemistry-Biology Interface Program
Diabetes results in many complications, which include the inability to heal wounds, resulting in 66,000 annual amputations. There are no therapeutics for treatment of diabetic wounds. Our research to understand why the diabetic wound is refractory to healing has the potential of the first drug for treatment of diabetic wounds.

Transcending Suffering: Spirituality and Maintaining Compassion in the Encounter with Human Pain
Dominic O. Vachon, Ph.D., ’80, ’85 M.Div., Director, Ruth M. Hillebrand Center for Compassionate Care in Medicine
In this lecture, Vachon explains how articulating and cultivating your spirituality of caring allows the helper to avoid despair and burnout as well as to maintain a sense of caring in the continual encounter with human suffering which promotes healing in those one tries to help.

Truth in Numbers: From Notre Dame Football to The Da Vinci Code
Alexander J. Hahn, ’68 M.S., ’70 Ph.D., Professor, Mathematics
To what extent do numbers capture the reality that generates them? When do they fail to do so? This lecture explores these questions both in the context of the statistical record of Notre Dame Football and the mysterious mathematics in The Da Vinci Code.

Tuberculosis in the Modern Era
Patricia A. Champion, Ph.D., Associate Professor, Biological Sciences
9.6 million people were actively sick with Tuberculosis (TB) in 2014. There is no viable vaccine. The bacteria that cause TB are becoming resistant to current treatment options. Historical and current perspectives on TB detection, treatment, and prevention will be discussed.
Two Koreas: Current Issues in Geopolitical Tensions in East Asia

Kwan S. Kim, Ph.D., Professor Emeritus, Economics; Faculty Fellow, Kellogg Institute for International Studies and Liu Institute for Asian Studies

What is North Korea’s ultimate policy goal? What is the prospect for its regime’s stability? How has the North’s attempt to reactivate nuclear facilities affected geopolitical dynamics in East Asia? North’s interest in economic liberalization aided by South’s economic prowess would be a key facilitating factor contributing to a peaceful resolution of conflicts in the peninsula. This must include a sustained, inter-complementary role that the U.S. and China could play.

Understanding China’s Hard Power: Expansion, Cyberwarfare, and Intimidation

Lionel M. Jensen, Ph.D., Associate Professor, East Asian Languages and Cultures; Associate Professor, History

Today the more aggressive expansion of China in the Asian Pacific region is a source of global concern. Under the aegis of Chinese Communist Party’s leader, Xi Jinping, the once “peaceful rise” of China as a world economic power has taken a more confrontational turn. Why? The answers will be found through this lecture’s investigation into several key shifts of contemporary policy such as accelerating growth in defense spending, increased ethnic and religious persecution, a broad crackdown on domestic freedoms, and heightened engagement in cyber hacking. These and other topics will be addressed and placed in proper context so that China may be understood rather than feared.


George A. Lopez, Ph.D., Hesburgh Professor of Peace Studies, Emeritus

Today, the United Nations Security Council has more sanctions regimes in place than at any time in its history—15. The United States has over 100 persons and entities on the U.S. Treasury’s sanctions list. There is good evidence to support that economic sanctions helped bring regime change in South Africa in the early 1990s, but they failed with Cuba and Syria. Sanctions disarmed Iraq, brought Iran to the bargaining table, yet are futile against North Korea. When and where do sanctions work and are they an effective policy tool?

Wandering Through the Rail Yard

Edward F. Hums, M.B.A., ‘75, Teaching Professor, Accountancy

This light-hearted lecture focuses on an industry that is viewed as archaic by most of the population yet possesses so many unseen high technology systems. It reviews the history of the rail industry’s assistance in bringing Notre Dame and the club’s area into national prominence.

Western Civilization: What a Good Idea

Thomas F. Noble, Ph.D., Professor Emeritus, History; Fellow, Nanovic Institute for European Studies

What is the West? Where is the West? Who is Western? Is there a Western heritage or tradition? Is the present world embroiled in a clash of civilizations, a battle of East and West? This lecture is a bracing romp through millennia with a view to understanding why the “West” matters.

What Difference Does Caring Make in Business and Healthcare?

Dominic O. Vachon, Ph.D., ’80, ’85 M.Div., Director, Ruth M. Hillebrand Center for Compassionate Care in Medicine

Caring is often devalued and misused as a “soft” scientific phenomenon when it is actually the opposite, even as organizations work so hard to be perceived as caring. This lecture presents how a more accurate view of compassionate care makes a major difference in our lives and work.

What Happens to Your Property When You Die? The Benefits of Estate Planning

Daniel Kelly, J.D., ’02, Professor, Law

Death, like taxes, is inevitable. Yet we tend to avoid the subject. Ignoring death is perilous, not only for our souls but also for our material possessions, healthcare, and family’s future. This lecture discusses the basics of wills and trusts, the benefits of estate planning, and cutting-edge succession issues.
What is Human Dignity and Why Does It Matter?
Paolo G. Carozza, A.B., J.D., Director, Kellogg Institute for International Studies; Professor, Law; Concurrent Professor, Political Science
Appeals to human dignity can be found everywhere today, from law to bioethics to international development. But there are profound divergences in what people mean by it. This lecture explores why seeking a common understanding of human dignity in a pluralistic world is essential to the future of humanity.

What is Science Saying About Compassion and What Difference Does It Make in Our Daily Lives?
Dominic O. Vachon, Ph.D., ’80, ’85 M.Div., Director, Ruth M. Hillebrand Center for Compassionate Care in Medicine
Recent research shows how human beings are hardwired for compassion. Rather than being only a moral ideal, compassion is essential to what it means to be human from the way we live our daily lives as well as the way we practice medicine and other helping professions.

What Race Is and What It Is Not
Agustin Fuentes, Ph.D., Professor and Chair, Anthropology
There is only one biological race in humans, but race is a prominent social reality. Humans vary in many ways, but not always in the ways we think. This lecture reveals the myths and the realities about human diversity and why this information is very important to all of us.

What Should We Fight For?
Michael Desch, A.M., Ph.D., Professor, Political Science; Fellow, Joan B. Kroc Institute for International Peace Studies; Fellow, Kellogg Institute for International Studies
Desch, a leading expert on American foreign policy, outlines the challenges and opportunities the United States faces as it grapples with how to ensure its national security in the years to come in light of the new threats and new technologies that will shape warfare in the coming decades.

What Would James Madison Do?
Amy C. Barrett, J.D., ’97, Professor, Law
Are judges bound to enforce the Constitution as the framers understood it? Or are they free to fashion constitutional law that accounts for contemporary values? This lecture explores the debate about the role of original meaning in constitutional interpretation.

What’s So Funny About a Joke?
Mark W. Roche, Ph.D., Rev. Edmund P. Joyce, C.S.C., Professor, German Language and Literature; Concurrent Professor, Philosophy
Why do we tell and enjoy jokes? How are the most complex jokes structured? This entertaining presentation interlaces a number of jokes with an analysis of the greatness and limits of Freud’s theory of jokes. It then explores the ways in which jokes play with various kinds of paradoxes.

Who Won the Bible War?
Linda Przybyszewski, Ph.D., Associate Professor, History; Concurrent Professor, Law
In 1869, the Cincinnati school board ended Bible reading in its public schools and set off a national debate that ended with a legal victory for the school board. But had religion lost? The Bible War actually reveals the power of Christianity to shape religious liberty.
Who’s Watching Me? What “Big Data” Means to All of Us
Corey M. Angst, Ph.D., Associate Professor, Management
The term “Big Data” is being widely used in society yet few people have an understanding of what it is or how it impacts each of us. While Big Data promises customization, hyper-personalization, a better understanding of consumers, and some societal benefits, it also creates privacy concerns. This non-technical talk will demystify Big Data.

Why History Matters for Catholics
Brad S. Gregory, Ph.D., Professor, History; Director, Institute for Advanced Study; Fellow, Nanovic Institute for European Studies
This lecture explores why an awareness of history is important for an informed Catholic faith: the inescapability of Christianity as a religion rooted in time, the ways in which history can serve as a handmaid to theology, and the dual reality of the Christian past as inspiration and scandal.

Why Teaching U.S. Latino Literature Matters: Living the Mission of Our University
Marisel C. Moreno, Ph.D., Associate Professor, Latino/a Literature
How are U.S. Latino literature, service-learning, and the mission of Notre Dame connected? This talk examines how teaching Latino literature at Notre Dame, based on the pedagogy of service-learning, has allowed students to deepen their understanding of Notre Dame’s mission.

Why the United States and China Are On a Collision Course
Sebastian Rosato, Ph.D., Associate Professor, Political Science
What does the future hold for U.S.—China relations? An examination of international relations theory and the history of great power politics suggests that Washington and Beijing are destined to engage in an intense security competition if the latter completes its impressive rise.

Why We Get Lost
Laura A. Carlson, Ph.D., Vice President, Associate Provost; Dean, Graduate School; Professor, Psychology
Getting lost in a new environment is a fairly common experience. People report difficulty navigating through malls and hospitals, and differ in their abilities to navigate along detoured routes. This lecture examines why this is the case, focusing on the contributing aspects of the environment and the navigator.

Win Just One for the Gipper: Advances Toward Treatment of Traumatic Brain Injury
Mayland Chang, Ph.D., Research Professor, Department of Chemistry and Biochemistry; Director, Chemistry-Biochemistry-Biology Interface Program
Concussions are mild traumatic brain injury (TBI), producing a cascade of neurological events, resulting in neuronal cell injury and death. Presently, there is no treatment to rescue brain cells after concussion TBI. Notre Dame technology addresses this unmet medical need that has the potential for a first-in-kind treatment for TBI.

Women’s Rights are Human Rights: A Global Philosophy
Eileen H. Botting, Ph.D., Associate Professor, Political Science; Fellow, Joan B. Kroc Institute for Peace Studies and Fellow, Nanovic Institute for European Studies
Since 1792, with the publication of her groundbreaking treatise “A Vindication of the Rights of Woman,” Mary Wollstonecraft helped to launch a new era in the philosophy of human rights. By explicitly including women and slaves in the “rights of humanity,” Wollstonecraft made the concept of human rights fully universal. After her came many theorists of women’s rights, female and male, non-Western and Western, who built upon the momentum she gave the now-global movement for understanding and institutionalizing “women’s rights as human rights.”
Lecturer Biographies

COREY M. ANGST, PH.D.
Associate Professor, Management

Corey Angst is an associate professor in the Department of Management at the Mendoza College of Business. He teaches Business Problem Solving, Project Management, and Strategic IT at both the undergraduate and graduate level. His research interests are in the transformational effect of IT, technology usage, and IT value. His research has been published in many top journals. He received his Ph.D. from the Smith School of Business, University of Maryland. Prior to pursuing his graduate education, Angst worked for 10 years in both technical and strategic roles, most recently with the DuPont Company. He and his wife Wendy, also a professor in the management department, have three children who inherited their love of travel.

Grandma “Friended” Me on Facebook?! Making Sense of Social Media pg 28

Who’s Watching Me? What “Big Data” Means to All of Us pg 51

PERI ARNOLD, PH.D.
Professor, Political Science

Peri Arnold joined the Government Department in 1971 and has served as its chair and also as director of the Hesburgh Program in Public Service. He is a scholar of American politics and the presidency. He has authored two books, Making the Managerial Presidency and Remaking the Presidency, as well as numerous articles and chapters. Arnold is an elected fellow of the National Academy of Public Administration.

Theodore Roosevelt and the Modern American Presidency pg 48

J. MATTHEW ASHLEY, PH.D.
Associate Professor of Systematic Theology; Chair, Department of Theology; Fellow, Reilly Center for Science, Technology, and Values

Matthew Ashley is an associate professor of Systematic Theology and the chair of the Department of Theology. He has a B.S. in philosophy and physics from St. Louis University, a master’s of theological studies degree from the Weston Jesuit School of Theology, and a Ph.D. in theology from the University of Chicago. Having authored or edited six books and numerous articles, Ashley’s research focuses on theology and science and on the history of Christian spirituality. His most recent book is Take Lord and Receive, All My Memory: Toward an Anamnestic Mysticism.

A Pope on the Margins: Pope Francis’s Vision for the Church pg 16

Laudato Si’: How Pope Francis Enlists Saint Francis of Assisi to Help Us Address Climate Change pg 31

AMY BARRETT, J.D., ’97
Professor, Law

Amy Coney Barrett is a professor in the Law School. Her work, which has been published in the nation’s leading law journals, focuses on constitutional law and the role of the federal courts in our system of government. Before joining Notre Dame’s faculty, she served as a law clerk to Justice Antonin Scalia and practiced law in Washington, D.C. She has twice been chosen “Professor of the Year” by the Law School’s graduating class.

From John Jay to John Roberts: The Evolution of the Supreme Court pg 26

The Supreme Court: Current Controversies pg 46

What Would James Madison Do? pg 50
TIMOTHY C. BEERS, PH.D.
Chair, Galactic Archaeology; Professor, Astrophysics

Timothy Beers is an observational astronomer, hired in 2014 as the Notre Dame Chair of Astrophysics. Beers is a co-PI and an Associate Director of the NSF Physics Frontier Center, JINA-CEE: Joint Institute for Nuclear Astrophysics—Center for the Evolution of the Elements. He received his Ph.D. in Astronomy from Harvard University in 1983, and two Bachelor’s of Science degrees from Purdue University (Physics/Metallurgical Engineering) in 1979. He has served as Director of Kitt Peak National Observatory (2011-2014), and retired from Michigan State University as University Distinguished Professor in 2011.

| Galactic Archaeology | pg 26 |
| Origin of the Elements of Life | pg 35 |

CINDY S. BERGEMAN, PH.D.
Professor, Psychology

Cindy Bergeman has research interests in stress, resiliency, and health and well-being outcomes across the adult lifespan. Her current research project uses multiple lenses (yearly questionnaires, in-depth interviews, and daily assessments) to identify and describe the various pathways through which converging behavioral, psychological, environmental, and social processes contribute to resilience and optimal functioning in later life. Unique to her perspective is the innovation in data assessment and analysis that facilitates more comprehensive understanding of the multidimensional and multilevel pathways that underlie the relations among stress and uplifts (e.g., in areas of work, family, friends, health, finances), resilience mechanisms (e.g., hardiness, control, social support), and health and well-being outcomes.

| Aging Successfully | pg 17 |
| Are You Resilient? How to “Bounce Back” from Adversity | pg 18 |
| How Stress Gets “Under the Skin”: Implications for Health and Well-Being | pg 28 |

PAUL W. BOHN, PH.D., ’77
Arthur J. Schmitt Professor, Chemical and Biomolecular Engineering; Professor, Chemistry and Biochemistry

Paul Bohn received his B.S. in chemistry from Notre Dame in 1977, and his Ph.D. from Wisconsin-Madison in 1981. After a career at Bell Laboratories and the University of Illinois, Bohn rejoined the faculty at Notre Dame as the Arthur J. Schmitt Professor of Chemical and Biomolecular Engineering. His research interests span integrated nanofluidic microfluidic measurement strategies, chemical and biochemical sensing, smart materials, and molecular approaches to nanotechnology. Bohn has authored 260 publications and patents, has delivered 250 invited lectures throughout the world, and has served as a consultant for companies both in the U.S. and in Europe.

| Precision Medicine—Notre Dame’s Bold Initiative to Lead the 21st Century Revolution in Personalized Healthcare | pg 36 |

EILEEN H. BOTTING, PH.D.
Associate Professor, Political Science; Fellow, Joan B. Kroc Institute for Peace Studies; Fellow, Nanovic Institute for European Studies

Eileen Botting is a political theorist with particular interests in theorizing human rights (especially those of women, children, and the poor), the relationship between the family, civil society, and the state, and the ways that world religions, including Catholicism, can accommodate women’s rights.

| Women’s Rights are Human Rights: A Global Philosophy | pg 51 |
JACQUELINE VAUGHT BROGAN, PH.D.
Professor Emerita, English

Jacqueline Vaught Brogan is a well-known critic of 20th Century literature (both poetry and prose) as well as a published poet herself. She has published numerous books and essays, ranging from studies of Wallace Stevens and Ernest Hemingway, to Alice Walker and Adrienne Rich. She has been the recipient of numerous awards and scholarships, including an NEH fellowship. Since retiring in 2012, she regularly teaches “Everybody’s Shakespeare” to incoming freshmen and Ernest Hemingway to English majors.

Ernest Hemingway—in Our Time pg 25

DAVID E. CAMPBELL, PH.D.
Packey J. Dee Professor of American Democracy; Chair, Political Science

David Campbell has written extensively on religion and civic engagement in America, including the award-winning book American Grace: How Religion Divides and Unites Us. His other books include Seeking the Promised Land: Mormons and American Politics and Why We Vote: How Schools and Communities Shape our Civic Life. As an expert on religion, politics, and civic engagement, he has often been featured in the national media.

Does Religion Do More to Divide or Unite Americans? pg 23
The Rise of Secularism in America pg 46

SISTER KATHLEEN CANNON, O.P.
Associate Dean, College of Science; Concurrent Associate Professor, Theology

Dominican Sister Kathleen Cannon is associate dean of the College of Science and concurrent associate professor of Theology. She served Notre Dame as associate provost from 1990 to 1997, and planned Notre Dame’s first daycare center. A specialist in homiletics, she is a frequent contributor to pastoral and homiletic publications.

Catholic Women as Theologians and Preachers pg 20
Facing Changes in the Church: Lay Service, Lay Power pg 25

GILBERTO CÁRDENAS, ’72 M.A., ’77 PH.D.
Director, Notre Dame Center for Arts and Culture; Professor, Sociology; Fellow, Kellogg Institute for International Studies; Fellow, American Studies Program

Gilberto Cárdenas was the founding director of the Institute for Latino Studies at the University of Notre Dame. He also served as the executive director for the Inter-University Program for Latino Research (IUIPLR) until July 2013. He was assistant provost and held the Julian Samora Chair in Latino Studies (1999-2012). He received his B.A. from California State University at Los Angeles, and his M.A. and Ph.D. from Notre Dame. Dr. Cárdenas taught at the University of Texas at Austin from 1975 to 1999. His principal research interests are immigration, race and ethnic relations, and visual sociology.

Mexican Migration: Then and Now pg 33

LAURA A. CARLSON, PH.D.
Vice President, Associate Provost; Dean, Graduate School; Professor, Psychology

Laura Carlson is professor of Psychology and serves as vice president, associate provost, and dean of the Graduate School at the University of Notre Dame. She earned her Ph.D. from the University of Illinois, Urbana-Champaign in 1994, and has been at Notre Dame ever since. Carlson’s primary research interest is in spatial cognition. She investigates how we internally represent places, asking questions such as why do we get lost and what makes a set of directions effective. Carlson has received funding from the National Science Foundation and National Institutes of Health. She serves on the governing boards for the Psychonomic Society and the Cognitive Science Society.

Deciding to Be Green pg 22
Why We Get Lost pg 51
PAOLO G. CAROZZA, A.B., J.D.
Director, Kellogg Institute for International Studies; Professor, Law; Concurrent Professor, Political Science

Paolo Carozza is professor of Law and concurrent professor of Political Science, and director of the Kellogg Institute for International Studies. His expertise is in the areas of comparative constitutional law, human rights, law and development, and international law, and his extensive writings in these areas have been published in four languages. He has lectured widely across Europe and Latin America as well as the United States. From 2006 to 2010 he was a member of the Inter-American Commission on Human Rights and served as its president in 2008-2009.

| Human Rights and the Catholic Church, from Saint Francis to Pope Francis | pg 29 |
| What is Human Dignity and Why Does It Matter? | pg 50 |

JOHN C. CAVADINI, PH.D.
McGrath-Cavadini Director of the McGrath Institute for Church Life

John Cavadini is professor of Theology and director of the Institute for Church Life. He teaches classes in the history and theology of the early Church, in the theology of miracles, and the theology of the Fathers of the Church, especially St. Augustine. He has lectured on these topics, as well as topics in passing on the faith to young people, Eucharist, saints, Mary, theology of marriage, the Catechism, and other topics suitable for “Theology on Tap” sessions.

| Miracles | pg 33 |
| The Church | pg 41 |

PATRICIA A. CHAMPION, PH.D.
Associate Professor, Biological Sciences

Dr. Champion received her Bachelor’s Degree in Biological Sciences from Carnegie Mellon University. She earned her Doctoral Degree in Molecular Biology from Princeton University. Her postdoctoral training was performed in Mycobacterial Genetics at the University of California San Francisco. Dr. Champion has been on the faculty at the University of Notre Dame since 2009. She was promoted to associate professor in 2015. Dr. Champion studies pathogenic bacteria which cause Tuberculosis.

| Tuberculosis in the Modern Era | pg 48 |

MAYLAND CHANG, PH.D.
Research Professor, Department of Chemistry and Biochemistry; Director, Chemistry-Biochemistry-Biology Interface Program

Mayland Chang is research professor in the Department of Chemistry and Biochemistry. Previously, Chang was chief operating officer of University Research Network, Inc., senior scientist at Pharmacia Corporation, and senior chemist at Dow Chemical Company. During her industrial career, Chang has seen three of her projects brought to commercialization. Chang holds bachelor’s degrees in biology and chemistry from the University of Southern California, a Ph.D. in chemistry from the University of Chicago, and has completed a NIH postdoctoral fellowship at Columbia University. Her research interests center on the molecular basis of neurological diseases and discovery and development of new antibiotics.

| To Heal or Not to Heal: Acceleration of Diabetic Wound Repair | pg 48 |
| Win Just One for the Gipper: Advances Toward Treatment of Traumatic Brain Injury | pg 51 |

PATRICIA L. CLARK, PH.D.
Rev. John Cardinal O’Hara, C.S.C., Professor of Chemistry and Biochemistry

Professor Clark received her B.S. (chemistry, 1991) from Georgia Tech, Ph.D. (molecular biophysics, 1997) from University of Texas Southwestern Medical Center, and was a National Institutes of Health National Research Service Award postdoctoral fellow at MIT. She joined Notre Dame in 2001 as the Clare Boothe Luce Assistant Professor of Biochemistry. Professor Clark has received a CAREER Award from the National Science Foundation and a National Research Development Award from the American Heart Association. She has served on the Biophysical Society’s Council and is a member of the Editorial Board of Biophysical Journal. She is the 2013 recipient of the Michael and Kate Bárány Award from the Biophysical Society.

| Biological Machines | pg 19 |
| Nimble Bacteria: How They Sense Their Environment to Infect and Outwit | pg 34 |
ANNE G. COLEMAN, PH.D.
Associate Professor, American Studies
Anne Gilbert Coleman is an associate professor of American Studies. Trained as a historian of the American West, she is interested in how Americans interact with the environment through practices of recreation and leisure. Her book, Ski Style: Sport and Culture in the Rockies (2004), examined the landscape, culture, and history of Colorado's ski industry, and she is currently working on a history of outdoor professional guides as mediators between Americans and the wilderness. Her articles and essays include "From Snow Bunnies to Shred Betties: Gender, Consumption, and the Skiing Landscape," "The Fall of the House of Leisure: Outdoor Guides, Practical Knowledge, and Industrialization," and "Making Time and Place at the Indy 500."

DONALD CRAFTON, PH.D.
The Joseph and Elizabeth Robbie Professor of Film, Television, and Theatre; Fellow, Nanovic Institute for European Studies
Donald Crafton holds Notre Dame's first endowed chair in film studies. He received his doctorate from Yale University in 1977. He has chaired the departments of Film, Television, and Theatre, as well as Music. In 2012-2013, he was the interim director of the Nanovic Institute for European Studies. Crafton's many articles and four books include Shadow of a Mouse: Performance, Belief and World-Making in Animation. He is co-general editor of The Moving Image, a scholarly journal. Crafton has won awards and fellowships from the Academy of Motion Picture Arts and Sciences, the Guggenheim Foundation, and twice from the National Endowment for the Humanities. He was the 2007 recipient of the University of Notre Dame's Presidential Award.

BRIAN S. COLLIER, PH.D.
Graduate Faculty, Alliance for Catholic Education (ACE); Fellow, Institute for Educational Initiatives; Affiliate Faculty, Poverty Studies, American Studies, and Education, Schooling and Society
Brian Collier holds a Ph.D. in American Indian History and the History of Education in America. He teaches for the Alliance for Catholic Education and is a fellow in the Institute for Educational Initiatives. His research in education is at the intersection of where families and teachers can truly partner to take back their families, their schools, and their neighborhoods. His historical research on Native people focuses on American Indian boarding schools and their legacy. Collier has written articles and book chapters on Native Americans, the American West, teaching in the American West, race relations, gender, and the Harlem Globetrotters.

MICHAEL CRANT, PH.D.
Mary Jo and Richard M. Kovacevich Professor of Excellence in Leadership Instruction; Professor, Management
A member of the faculty since 1990, Mike Crant is the former chair of the Department of Management in the Mendoza College of Business. He studies proactive leadership and decision-making in business organizations. A winner of multiple teaching awards for both undergraduate and executive M.B.A. teaching, Crant has conducted executive development seminars for companies worldwide, including Bayer, Far Eastern Group, HSBC, Siemens, and Toro. Crant earned B.S. and M.B.A. degrees from the University of Florida and a Ph.D. in organizational behavior from the University of North Carolina at Chapel Hill.

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<th>Lecturer Biographies</th>
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<td>ANNE G. COLEMAN, PH.D.</td>
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<td>Associate Professor, American Studies</td>
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<td>Anne Gilbert Coleman is an associate professor of American Studies. Trained as a historian of the American West, she is interested in how Americans interact with the environment through practices of recreation and leisure. Her book, Ski Style: Sport and Culture in the Rockies (2004), examined the landscape, culture, and history of Colorado’s ski industry, and she is currently working on a history of outdoor professional guides as mediators between Americans and the wilderness. Her articles and essays include “From Snow Bunnies to Shred Betties: Gender, Consumption, and the Skiing Landscape,” “The Fall of the House of Leisure: Outdoor Guides, Practical Knowledge, and Industrialization,” and “Making Time and Place at the Indy 500.”</td>
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<td>DONALD CRAFTON, PH.D.</td>
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<td>The Joseph and Elizabeth Robbie Professor of Film, Television, and Theatre; Fellow, Nanovic Institute for European Studies</td>
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<td>Donald Crafton holds Notre Dame’s first endowed chair in film studies. He received his doctorate from Yale University in 1977. He has chaired the departments of Film, Television, and Theatre, as well as Music. In 2012-2013, he was the interim director of the Nanovic Institute for European Studies. Crafton’s many articles and four books include Shadow of a Mouse: Performance, Belief and World-Making in Animation. He is co-general editor of The Moving Image, a scholarly journal. Crafton has won awards and fellowships from the Academy of Motion Picture Arts and Sciences, the Guggenheim Foundation, and twice from the National Endowment for the Humanities. He was the 2007 recipient of the University of Notre Dame’s Presidential Award.</td>
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<td>BRIAN S. COLLIER, PH.D.</td>
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<td>Graduate Faculty, Alliance for Catholic Education (ACE); Fellow, Institute for Educational Initiatives; Affiliate Faculty, Poverty Studies, American Studies, and Education, Schooling and Society</td>
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<td>Brian Collier holds a Ph.D. in American Indian History and the History of Education in America. He teaches for the Alliance for Catholic Education and is a fellow in the Institute for Educational Initiatives. His research in education is at the intersection of where families and teachers can truly partner to take back their families, their schools, and their neighborhoods. His historical research on Native people focuses on American Indian boarding schools and their legacy. Collier has written articles and book chapters on Native Americans, the American West, teaching in the American West, race relations, gender, and the Harlem Globetrotters.</td>
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<td>A member of the faculty since 1990, Mike Crant is the former chair of the Department of Management in the Mendoza College of Business. He studies proactive leadership and decision-making in business organizations. A winner of multiple teaching awards for both undergraduate and executive M.B.A. teaching, Crant has conducted executive development seminars for companies worldwide, including Bayer, Far Eastern Group, HSBC, Siemens, and Toro. Crant earned B.S. and M.B.A. degrees from the University of Florida and a Ph.D. in organizational behavior from the University of North Carolina at Chapel Hill.</td>
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MARTIJN CREMERS, PH.D.
Professor, Finance

Martijn Cremers joined Notre Dame in 2012 as professor of Finance. He was a faculty member at Yale University from 2002-2012. His paper “How active is your fund manager? A new measure that predicts performance” (published in 2009 in the Review of Financial Studies) introduced a measure of active management named “Active Share,” which is based on a comparison of the holdings of a fund with those of its benchmark. The “Active Share” measure has become widely used in the financial industry and was incorporated in Morningstar Direct and FactSet.

- Business in Light of Catholic Social Teaching pg 19
- How Active is Your Fund Manager? pg 28

CHARLES R. CROWELL, PH.D., ’70
Associate Professor, Psychology; Director, Computer Applications Program

Charles R. Crowell currently is in the Department of Psychology where he serves as director of the eMotion and eCognition research lab. Also, he is director of the Computer Applications Program, a supplementary major in the College of Arts and Letters. Professor Crowell has applied psychology and technology to learning, productivity, and performance improvement in organizations. He has published and lectured widely on topics including performance technology, organizational effectiveness, and the use of technology to assist in organizational improvement. Professor Crowell also has worked with national and international companies on issues related to employee effectiveness, applications of technology, and management development.

- “Employee-Care Zones”: Ten Best Practices for Creating One in an Organization pg 25
- Guided Self Development—A Mentoring Approach to Effective Management and Leadership pg 28

BARRY CUSHMAN, PH.D.
John P. Murphy Foundation Professor of Law

Barry Cushman came to Notre Dame in 2012 following fifteen years on the faculty at the University of Virginia, where he was the James Monroe Distinguished Professor of Law and Professor of History. His book, Rethinking the New Deal Court (Oxford University Press), was awarded the American Historical Association’s Littleton-Griswold Prize. Cushman has taught in a wide range of areas, including constitutional law, American intellectual and cultural history, and American legal and constitutional history. While at Virginia, Cushman was honored with the All-University Teaching Award. At Notre Dame, Cushman also holds appointments in the Departments of History and Political Science.

- FDR and the Court-Packing Showdown pg 26
- The Birth of Modern Family Law pg 41

DARREN W. DAVIS, PH.D.
Professor, Political Science; Director, Center for Social Research

Considered one of the most prolific scholars in political behavior, public opinion, political psychology, and racial politics, Darren W. Davis is nationally recognized for his research on political tolerance, the support for democratic values, subtle racism, and the concern for social desirability. Davis’ scholarly research has appeared in the most prestigious journals in political science. Davis was part of a national committee that examined the reliability of polling results in the 2008 presidential primaries. During the 2008 presidential election, Davis appeared as a polling expert on CNN, NBC, FOX, BBC, and in numerous newspapers. Davis earned a bachelor’s degree at Lamar University, a master’s degree from Louisiana State University, and a doctorate from the University of Houston.

- Race, Perseverance, and Catholicism (Evidence from National Black Catholic Survey) pg 37
JOHN DEAK, PH.D.
Associate Professor, History; Fellow, Nanovic Institute for European Studies

John Deak grew up in North Carolina. After he received his Ph.D. from the University of Chicago in 2009, he landed his dream job at the home of the Fighting Irish. Broadly interested in European history since the Enlightenment, he teaches courses on German History, the Revolutions of 1848, the First World War, and his specialty, the History of the Habsburg Empire.

| Europe's Revolutionary Spring: 1848  | pg 25 |
| The Great War and the Forgotten Realm | pg 43 |

CELIA DEANE-DRUMMOND, PH.D.
Professor, Theology

Professor Celia Deane-Drummond is currently full professor in Theology at the University of Notre Dame and director of the Center for Theology, Science and Human Flourishing, www.ctshf.nd.edu.

She holds two doctorates in plant science and systematic theology. Her research interests are in the engagement of theology and ethics with natural and social science, including specifically ecology, evolution, animal behavior, and anthropology. Her most recent books include Ecotheology (2008); Christ and Evolution (2009); The Wisdom of the Liminal (2014) and edited collections Religion and Ecology in the Public Sphere (2011); Animals as Religious Subjects (2013); Technofutures, Nature and the Sacred (2015).

| Ecology and Theology  | pg 24 |
| The Evolution of Wisdom  | pg 42 |

MICHAEL DESCH, A.M., PH.D.
Professor, Political Science; Director, Notre Dame International Security Center; Fellow, Joan B. Kroc Institute for International Peace Studies; Fellow, Kellogg Institute for International Studies


| What Should We Fight For?  | pg 50 |

MALGORZATA DOBROWOLSKA-FURDYNA, PH.D.
Professor, Physics

Malgorzata Dobrowolska-Furdyna has taught physics at the University of Notre Dame since 1989. She is the recipient of the Kaneb Teaching Award, Rev. Edmund P. Joyce, C.S.C., Award for Excellence in Undergraduate Teaching, and the Shilts/Leonard Teaching Award. She is author or co-author of over 220 scholarly publications and was awarded the National Science Foundation Creativity Award in 1995. Dobrowolska-Furdyna is fellow of the American Physical Society and fellow of the American Association for the Advancement of Science. Currently, she is serving as an associate dean in the College of Science.

| This Is Not Your Father’s Classroom: Adapting Teaching Methods to the Ever-Changing World  | pg 48 |
REV. ROBERT A. DOWD, C.S.C., PH.D., ’87  
Associate Professor, Political Science; Director, Ford Family Program in Human Development Studies and Solidarity


- Notre Dame and the Fight Against Extreme Poverty  pg 34

REV. MICHAEL S. DRISCOLL, PH.D., S.T.D.  
Associate Professor, Theology

Michael Driscoll is a priest of the Diocese of Helena. He is a member of the Theology Department and the founding director of the Graduate Program in Sacred Music. His scholarly interests are in the area of liturgy and sacramental theology, coauthoring a book with Michael Joncas entitled, The Order of Mass: A Roman Missal Study Edition and Workbook (Chicago: Liturgical Training Publications, 2011). He served as president of the North American Academy of Liturgy (2002-2003) and was a member of the executive council (2002-2008) of the international ecumenical association, Societas Liturgica. In 2013, he finished his three-year term as president of the Catholic Academy of Liturgy and is currently the treasurer.

- Faith, Music, Mass, Action: What’s the Connection?  pg 26
- The Eucharist as the Embodiment of Love  pg 42
- The Francis Effect and Mercy  pg 43

CRISLYN D’SOUZA-SCHOREY, PH.D.  
Morris Pollard Professor and Department Chair, Biological Sciences

Crislyn D’Souza-Schorey is the Morris Pollard Professor and chair of the Department of Biological Sciences at the University of Notre Dame. She received her doctorate from the University of Texas Health Science Center at San Antonio, following which she was a postdoctoral research fellow at Washington University School of Medicine in St. Louis. Her research interests are to understand the molecular basis of cancer progression. A recipient of many awards and honors during her career, she also serves on several scientific review panels. She is an elected Fellow of the American Association for the Advancement of Science.

- Fighting Cancer: Understanding Mechanisms of Cancer Progression  pg 26

KENNETH DYE, ED.D., M.B.A.  
Director, Bands; Professor, Music

As a composer/arranger for the Sydney 2000 Olympic Band and choreographer for the 1984 Los Angeles Olympics, Dye’s experiences have produced over 1,800 musical works and shows performed throughout the U.S. and overseas. While conducting at Notre Dame, the Band has performed concerts in the Sydney Opera House, Beijing Concert Hall, and Carnegie Hall as well as toured Europe, Asia, and Brazil. His research for the courses “The Business of Music”, ”Music and the Olympics” and “The History of Bands” has discovered inspiring stories in the cross-disciplinary character of music and human achievement.

- 50 Years of “Chicago”  pg 16
- Cars and Stars  pg 20
- Entrepreneurs of Music—From JS Bach to Jimmy Buffet  pg 25
- Lessons from Music and the Olympics  pg 31
- Lights, Camera, Music!  pg 32
- Marching to Motown  pg 33
- Musical Leadership in the World of Business and Innovation  pg 33
- The Traditions and Developments of the American Marching Band  pg 47
EDMUND P. EDMONDS, J.D., ’73
Associate Dean, Director, Kresge Law Library

Ed Edmonds is the associate dean for Library and Information Technology at the Kresge Law Library and a professor of Law. Edmonds is a 1973 graduate of Notre Dame, and he has a library degree from Maryland and a law degree from Toledo. He has also served as the law library director at William & Mary, Loyola University New Orleans, and the University of St. Thomas. Edmonds’ teaching responsibilities include Advanced Legal Research, Intercollegiate Athletics Externship, and Sports Law Seminar. His primary scholarly interest is antitrust and labor issues involving baseball.

- A Look at Baseball’s Handling of “A Fistful of Dollars”—MLB’s System of Salary Arbitration  p 16
- Baseball’s Interesting Relationship with the U.S. Supreme Court  pg 18
- Sports and the Common Good  pg 40
- The Current State of Intercollegiate Athletics  pg 42
- The National Football League’s Legal Challenges  pg 45

WILLIAM N. EVANS, PH.D.
Professor, Economics and Econometrics

William Evans is a Keough-Hesburgh Professor in the Department of Economics. His research covers a broad range of areas including health economics and the economics of education. His papers have appeared in the top journals in the profession, and his research is frequently featured in the popular press. In 2012, with colleague James Sullivan, Professor Evans co-founded the Lab for Economic Opportunities (LEO) which is a research center that has partnered with Catholic Charities USA to identify effective and replicable solutions to reduce poverty in America. Professor Evans and his wife Eileen have three boys: Conor (ND ’12), Brendan (ND ’15), and Patrick.

- The Lab for Economic Opportunities (LEO): Where Academics Join Service Providers in the Fight Against Poverty  pg 44

MICHAEL FERDIG, PH.D.
Professor, Biological Sciences

After completing a master’s degree in parasitology at the University of Nebraska, Dr. Ferdig studied mosquito-transmitted diseases for his Ph.D. at the University of Wisconsin and then continued to the National Institutes of Health where he began his studies of malaria parasites. After joining the Notre Dame faculty in 2001, he has become a leading researcher in genomic methodologies to understand drug resistance mechanisms and new drugs to attack this parasite.

- Emerging Hotspots of Multi-Drug Resistant Malaria  pg 24
- Malaria! Didn’t We Eradicate That Decades Ago?  pg 32

HARINDRA JOSEPH FERNANDO, PH.D.
Wayne & Diana Murdy Endowed Professor in Engineering & Geosciences; Concurrent Professor, Aerospace and Mechanical Engineering

Fernando received his education at the University of Sri Lanka (BS in Mechanical Engineering ’79), the Johns Hopkins University (M.A. ’82 and Ph.D. ’83), and Caltech (Post-doctoral, ’83-’84). Among awards and honors he received are the UNESCO Gold Medal of the Year for the Best Engineering Student (1979), Presidential Young Investigator Award (1986), ASU Alumni Distinguished Research Award (1997), Rieger Foundation Distinguished Scholar Award in Environmental Sciences (2001), William Mong Lectureship from the University of Hong Kong (2004), and Life Time Achievement Award from the Sri Lanka Foundation of the USA (2007). He is a Fellow of the American Society of Mechanical Engineers, American Physical Society, American Meteorological Society, and the American Association for the Advancement of Science. He was elected to the European Academy in 2009 and received docteur honoris causa from University of Grenoble, France, in 2014.

- Climate Change in Urban Areas: Chicago as an Example  pg 22
- Observations Following the Sumatra Tsunami in Sri Lanka  pg 35
PATRICK J. FLYNN, PH.D.
Duda Family Professor of Engineering; Professor, Computer Science and Engineering

Patrick J. Flynn is the Duda Family Professor of Engineering at Notre Dame. In 2016-2017, he is serving as Interim Director of Notre Dame California, working to build undergraduate curricular experiences, graduate degree programs, and research/commercialization connections between Notre Dame and companies in California. He received the Ph.D. in Computer Science from Michigan State. He has also held faculty positions at Washington State University and The Ohio State University. His research interests include computer vision, biometrics, and image processing. Dr. Flynn is a Fellow of the Institute of Electrical and Electronics Engineers and a Fellow of the International Association of Pattern Recognition. He has received outstanding teaching awards from Washington State University and the University of Notre Dame.

**Living in the Panopticon: The Implications of Potentially Ubiquitous Surveillance**  pg 32

JAMES M. FRABUTT, PH.D., ’95
Senior Advisor to the Provost, Office of the Provost; Faculty, Mary Ann Remick Leadership Program, Alliance for Catholic Education (ACE)

Jim Frabutt serves as senior advisor to the Provost and is a faculty member in the Alliance for Catholic Education and a Fellow in the Institute for Educational Initiatives. His professional efforts have been centered on understanding and developing policies, practices, and systems that support children and families’ quality of life. He has applied action-oriented, community-based research to areas such as school-based mental health, teacher and administrator inquiry, racial disparities in the juvenile justice system, and community violence reduction. He is a member of the American Psychological Association, the National Council on Family Relations, and the Mental Health-Education Integration Consortium. He has a bachelor’s degree in psychology (University of Notre Dame) and master’s and doctoral degrees in human development and family studies (University of North Carolina at Greensboro).

**Community Safety and Youth Violence Prevention: A Focus on Schools**  pg 22

**Entrusted in Faith: Parents, Children, and Catholic Schools**  pg 25

**The Corner of Notre Dame Avenue and Main Street: Community-Engaged Scholarship at Notre Dame**  pg 42

LUIS RICARDO FRAGA, PH.D.
Co-Director of the Institute for Latino Studies; Arthur Foundation Endowed Professor of Transformative Latino Leadership; The Joseph and Elizabeth Robbie Professor of Political Science

Luis Ricardo Fraga is the author/co-author of five books and over three dozen academic articles and book chapters related to elections, Latino politics, voting rights, immigration policy, and educational politics. He has received fifteen awards for teaching, mentoring, and advising over his thirty-year career as a scholar and professor. He has also received two awards for his work in Catholic education. In 2011, he was named by President Obama to serve on the Advisory Commission on Educational Excellence for Hispanics where he co-chairs the Postsecondary Education Subcommittee. Also in that year, he was named one of top “100 Influentials” in the country by Hispanic Business Magazine.

**Latinos, Education, and the Church**  pg 31

**The Changing American Voter in 2016 and Beyond**  pg 41

AGUSTIN FUENTES, PH.D.
Professor and Chair, Anthropology

Agustin Fuentes, a biological anthropologist, completed a B.A. in zoology and anthropology and an M.A. and Ph.D. in anthropology at the University of California (Berkeley). His research delves into the how and why of being human. Ranging from chasing monkeys to exploring the lives of our evolutionary ancestors, to examining what people actually do across the globe, Professor Fuentes is interested in both the big questions and the small details of what makes humans and our closest relatives tick. Current research includes cooperation and creativity in human evolution, multispecies anthropology, race and racism, and interdisciplinary approaches to human nature(s).

**Bees Do It, Birds Do It—Are Humans Any Different?**  pg 18

**It’s Not All Sex and Violence!**  pg 30

**The Humanity of Animals and the Animality of Humans**  pg 43

**What Race Is and What It Is Not**  pg 50
PETER M. GARNAVICH, PH.D.
Professor, Astrophysics/Cosmology

Peter Garnavich’s research focuses on cataclysmic variable stars, supernovae, and cosmology. Prior to joining the Notre Dame faculty, he was a research fellow at the Harvard-Smithsonian Center for Astrophysics and received a M.Sc. from the Massachusetts Institute of Technology and a Ph.D. from the University of Washington. He is a co-recipient of the 2007 Gruber Prize in Cosmology and the 2015 Breakthrough Prize in Fundamental Physics. At Harvard, he became a key member of the High-Z team that discovered that the rate of expansion of the universe is accelerating. The discovery was awarded the 2011 Nobel Prize in Physics.

*** Big Science: The Largest Telescopes on Earth and in Space pg 19
*** Discovering Most of the Universe: The Accelerating Universe and Dark Energy pg 23

NICOLE S. GARNETT, J.D.
John P. Murphy Foundation Professor of Law

Professor Garnett’s research and teaching focus on education law and policy, property law, urban development, local government, and land use. Her most recent book (with Margaret Brinig), Lost Classroom, Lost Community: Catholic Schools’ Importance in Urban America, explores the effects of Catholic school closures on urban neighborhoods.

*** Catholic Schools and Education Reform pg 20
*** Lost Classroom, Lost Community pg 32

RICHARD W. GARNETT, J.D.
Professor, Law; Concurrent Professor, Political Science; Fellow, Institute for Educational Initiatives

Richard W. Garnett’s work focuses on constitutional law, education reform, and church-state relations. He was raised in Anchorage, Alaska, and is a graduate of Duke University and Yale Law School. Before coming to Notre Dame in 1999, he was a law clerk to Chief Justice William Rehnquist and practiced law in Washington, D.C. He is the founding director of the Law School’s program on Church, State, and Society and serves as a consultant to the United States Conference of Catholic Bishops’ Committee on Religious Liberty.

*** A Guided Tour of the Constitution of the United States pg 16
*** Is Religious Freedom Still Our “First Freedom”? Understanding the Separation of Church and State Today pg 30
*** The Right Questions About School Choice: Education, Religious Freedom, and the Common Good pg 46

BRAD S. GREGORY, PH.D.
Professor, History; Director, Institute for Advanced Study; Fellow, Nanovic Institute for European Studies

Brad Gregory joined the University of Notre Dame Department of History in 2003 after seven years at Stanford University, where he received early tenure in 2001. He has received teaching awards at both Stanford and Notre Dame, and both of his books, Salvation at Stake: Christian Martyrdom in Early Modern Europe and The Unintended Reformation: How a Religious Revolution Secularized Society, received book prizes. A former junior fellow in the Harvard Society of Fellows, Gregory teaches courses on early modern Europe. In 2013 he was named the director of the Notre Dame Institute for Advanced Study.

*** Science vs. Religion: The Compatibility and Complementary Flourishing of Catholicism and the Natural Sciences pg 39
*** The Reformation Era and the Makings of Modernity pg 45
*** Why History Matters for Catholics pg 51
THOMAS A. GRESIK, PH.D.
Professor, Economics; Fellow, Kellogg Institute for International Studies; Fellow, Nanovic Institute for European Studies

Thomas Gresik is a professor of Economics and a fellow in the Kellogg Institute for International Studies and the Nanovic Institute for European Studies. Gresik earned a Ph.D. in managerial economics and decision sciences from Northwestern University in 1987. Gresik studies the effect of private information on the performance of markets and regulations. Gresik is a co-editor for the Journal of Economic Behavior and Organization and is an associate editor for International Tax and Public Finance. He has advised the European Central Bank, the Norwegian Oil Tax Office, and the Norwegian Ministry of Energy. He was the chair of the Faculty Senate from 2008 to 2010.

- Outrageous Energy Prices  pg 35
- The Taxing Task of Taxing Transnationals  pg 47

PATRICK N. GRIFFIN, PH.D., ’87
Madden-Hennebry Professor and Chair of History

Patrick Griffin was named the Madden-Hennebry Professor in 2008 and chair of the department in 2011. His work explores the intersection of colonial American and early modern Irish and British history. As such, it focuses on Atlantic-wide themes and dynamics. He has published work on the movement of peoples and cultures across the Atlantic Ocean, as well as the process of adaptation. He also examines the ways in which Ireland, Britain, and America were linked—and differed—during the seventeenth and eighteenth centuries. He has looked at revolution and rebellion, movement and migration, and colonization and violence in each society in comparative perspective.

- How Two Brothers Started an Age of Revolution  pg 29
- The American Revolution in Three Paintings  pg 40

REV. DANIEL G. GROODY, C.S.C., PH.D., M.DIV., ’86
Associate Professor, Theology; Director, Center for Latino Spirituality and Culture, Institute for Latino Studies

Fr. Daniel Groody, C.S.C., is associate professor of theology and an award-winning teacher, author, and film producer. He holds a Bachelor of Arts from Notre Dame, a Master’s of Divinity and Licentiate from the Jesuit School of Theology, a doctorate from the Graduate Theological Union, and has done postdoctoral work at Oxford University. The producer of various films and author or editor of six books and various articles that have been translated into seven languages, he has worked with the U.S. Conference of Catholic Bishops, the Vatican, the World Council of Churches, the U.S. Congress, and the United Nations. He gives talks worldwide on migration, refugees, theology, and globalization.

- A God of Life, a Civilization of Love: Globalization, Justice, and Catholic Social Teaching  pg 16
- Dying to Live: Theological Perspectives on Migrants and Refugees  pg 24

VIJAY GUPTA, PH.D.
Associate Professor, Engineering

Vijay Gupta is an associate professor of electrical engineering at the University of Notre Dame. He received his B. Tech degree from the Indian Institute of Technology, Delhi, and M.S. and Ph.D. degrees from the California Institute of Technology, all in Electrical Engineering. He received the National Science Foundation CAREER award in 2009, the Ruth and Joel Spira Award for Excellence in Teaching in the Department of Electrical Engineering at the University of Notre Dame in 2010, and the Donald P. Eckman award from the American Automatic Control Council in 2013. His research interests include cyber-physical systems, distributed estimation, detection and control, and, in general, the interaction of communication, computation, and control.

- Electrification of the Transport Sector: Challenges and Opportunities  pg 24
ALEXANDER J. HAHN, ’68 M.S., ’70 PH.D.
Professor, Mathematics

Alexander Hahn is professor in the Department of Mathematics and has served as its chair. He was director of the Glynn Family Honors Program and the Center for Teaching and Learning. His long-standing interests in architecture, art, and the connections between cultural/intellectual aspects of the human experience and elementary mathematics are realized in his recent book, *Mathematical Excursions to the World’s Great Buildings* (Princeton University Press, 2012). Born in Austria, German is Hahn’s native language. He is married to Marianne ’87, ’92 M.A., a native of Greece, who teaches German and French at Saint Mary’s College.

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Galileo and His Science in Images   pg 26
The Interesting Geometry of the Sydney Opera   pg 44
Truth in Numbers: From Notre Dame Football to The Da Vinci Code   pg 48

MICHAEL D. HILDERETH, PH.D.
Professor, Physics

Michael Hildreth is a physicist specializing in the study of elementary particles. With degrees from Princeton (A.B., 1988) and Stanford (Ph.D., 1995), he has conducted research at all of the world’s particle physics laboratories, including current activities at CERN, in Geneva, Switzerland, where he works on the Large Hadron Collider. Co-author of more than 700 publications, he has been recognized by the Department of Energy as an Outstanding Junior Investigator. At Notre Dame, Hildreth has received the Rev. Edmund P. Joyce, C.S.C., Award for Excellence in Undergraduate Teaching, the Thomas P. Madden Award as the outstanding first-year professor, and recently won the 2014 Shilts/Leonard Teaching Award in the College of Science.

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Notre Dame Physicists Discover the “God Particle”: Action at the Large Hadron Collider   pg 34

RICHARD K. HIND, PH.D.
Professor, Mathematics

Richard Hind received his B.A. from Cambridge University in 1992 and a Ph.D. from Stanford in 1997. He has worked at Notre Dame since 2000 and taught a variety of courses including probability, mathematics in architecture and calculus. His main research interest is symplectic topology, the modern mathematical language for classical and quantum mechanics.

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Math or Magic?   pg 33

KASTURI HALDAR, PH.D.
Julius A. Nieuwland, C.S.C.,
Professor of Biological Sciences;
Director, Center for Rare and Neglected Diseases

Before coming to Notre Dame in 2008, Dr. Haldar held academic appointments at Northwestern University’s Feinberg School of Medicine and Stanford University. As the director of the Center for Rare and Neglected Diseases, Haldar works with a wide range of stakeholders in the research and healthcare community to support innovative research and opportunities to translate promising discoveries into therapeutics at the bedside. Haldar is an authority on the mechanisms by which human malaria parasites infect their hosts. Her research also focuses on lipid transport, which is involved in a number of both neurological rare diseases such as Niemann-Pick Type C and neglected diseases of poverty.

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Public-Private Partnerships   pg 36
Social Ventures: Putting Undergraduates at the Frontier of Scientific Discovery in Rare and Neglected Diseases   pg 40
EDWARD F. HUMS, M.B.A., ’75
Teaching Professor, Accountancy

Ed Hums was promoted to teaching professor in 2012 after serving eleven years as a full-time faculty member and twelve years as a part-time instructor. He currently teaches financial and managerial accounting to undergraduates and team teaches a course in the Master of Nonprofit Administration program. He has received numerous awards for his teaching including the Frank O’Malley Teaching Award for Excellence in Undergraduate Teaching. In 2006, Hums was profiled in Businessweek as one of America’s favorite business professors. In 2013 he and his wife, Shirley, accepted the position of Notre Dame’s first faculty-in-residence family and now reside in Lyons Hall.

- Giving A “Last Lecture”  pg 27
- Notre Dame’s First Faculty-in-Residence  pg 34
- Wandering Through the Rail Yard  pg 49

LIONEL M. JENSEN, PH.D.
Associate Professor, East Asian Languages and Cultures; Associate Professor, History

Lionel M. Jensen received his Ph.D. in Chinese history from the University of California (Berkeley) and is associate professor of East Asian Languages and Cultures and faculty fellow in the Kellogg Institute for International Studies. He is the author of Manufacturing Confucianism: Chinese Traditions and Universal Civilization and has co-edited and co-authored five other works: Early China 20 (1997), China Beyond the Headlines (2000), China Off Center: Mapping the Margins of the Middle Kingdom (2002), China’s Transformations: the Stories Beyond the Headlines (2007), and China In and Beyond the Headlines (2012). In 2010, he received the Edmund P. Joyce, C.S.C., Award for Excellence in Undergraduate Teaching.

- China, Tibet, and Taiwan: A Fateful Triangle  pg 20
- China’s “Confucius Institutes” and the American Academy: Money, Politics, Persuasion, and Propaganda  pg 20
- Emergent World Power: China’s 21st Century Revolution  pg 24
- Understanding China’s Hard Power: Expansion, Cyberwarfare, and Intimidation  pg 49

RICHARD A. JENSEN, PH.D.
Gilbert F. Schaefer Professor, Economics

Richard Jensen came to Notre Dame in 2000 and served as chair of the Department of Economics for 13 years. His primary areas of expertise are the economics of innovation and environmental economics, and his current research interests include the economics of intellectual property, especially the commercialization of the research of university faculty-inventors and the bioeconomics of invasive species. His research has been funded by the National Science Foundation, the National Oceanic and Atmospheric Administration, and the Kauffman Foundation, and has been published in the American Economic Review, Quarterly Journal of Economics, Journal of Economic Theory, and Management Science.

- A History of Financial Crises  pg 16
- Academic Entrepreneurship  pg 17
- The Costs and Benefits of Reducing Carbon Emissions  pg 42

DANIEL KELLY, J.D., ’02
Professor, Law

Dan Kelly is professor of Law and co-director of the Law and Economics program. His work focuses on property law and wills, trusts, and estates. A native of Chicago, Kelly graduated from Notre Dame and Harvard Law School. He then clerked for Judge Richard Wesley on the U.S. Court of Appeals for the Second Circuit and practiced law in New York City. At Notre Dame, he also serves as chair of the Elder Law Committee and is a member of the Faculty Board on Athletics.

- Private Property and Public Use: The Debate Over Eminent Domain  pg 36
- What Happens to Your Property When You Die? The Benefits of Estate Planning  pg 49
KWAN S. KIM, PH.D.
Professor Emeritus, Economics; Faculty Fellow, Kellogg Institute for International Studies and Liu Institute for Asian Studies

Professor Kim’s research interest is in international economics and finance with the focus on U.S. role in the developing world. His research combines holistic and quantitative analyses, based on fieldwork and consultancy experiences abroad. He has published over 80 articles and book chapters and 14 books that include *The Political Economy of Inequality; Growth, Distribution and Political Change; El Ecuador en el Mercado Mundial; Acquiring, Adapting and Developing Technologies in Japan; Industrial Policy and Development in S. Korea; and Papers on the Political Economy of Tanzania*. His latest coauthored book, Turning Point in China (2014), concerns China’s development and environmental global collateral damage.

- Economic Growth and Environmental Crisis in China pg 24
- Global Issues and Catholic Social Teaching pg 27
- Global Poverty Gap—What Does It Take to Eradicate? pg 27
- The Political Economy of the U.S. and China’s Relationship in the New Century pg 45
- Two Koreas: Current Issues in Geopolitical Tensions in East Asia pg 49

DONALD P. KOMMERS, PH.D.
The Robbie Professor Emeritus, Political Science and Law

The coauthor of major textbooks on American and German constitutional law, now in their third editions, Kommers has been a member of Notre Dame’s faculty since 1963. The author of over 100 major publications, he has also received numerous honors and fellowships over the years, including the American Bar Association’s Silver Gavel Award and honorary doctor of law degrees from Germany’s Heidelberg University and St. Norbert College. In 2009, he also won the Berlin Prize from the American Academy in Berlin, and in 2010 Germany’s president awarded him the German Federal Republic’s Distinguished Service Cross (Bundesverdienstkreuz) at a special ceremony in Chicago in recognition of his decades of work on German law and politics.

- Can Roe v. Wade Be Overturned? If Not, What Alternatives or Strategies Are Available to Protect Unborn Life in America? pg 19
- Germany’s Basic Law and the U.S. Constitution: A Critical Comparison pg 27
- The U.S. Constitution: A Broken Document in Need of Change pg 47

GARY A. LAMBERTI, PH.D.
Professor, Biological Sciences

Gary Lamberti is a professor and former chair of the Department of Biological Sciences at the University of Notre Dame. He received his doctorate from University of California (Berkeley) in 1983, and has been at Notre Dame since 1989. Lamberti is an aquatic ecologist and environmental scientist whose research focuses on river and wetland ecology, fisheries biology, and global change. At Notre Dame, Lamberti teaches biostatistics, stream ecology, and restoration ecology and mentors undergraduate and graduate student research. He has authored more than 175 scientific publications and has edited the book entitled *Methods in Stream Ecology*. Lamberti is also a past-president of the Society for Freshwater Science.

- The Global Freshwater Crisis—Challenges and Solutions pg 43
- The Incredible Saga of Pacific Salmon pg 44
DANIEL K. LAPSLEY, PH.D.
ACE Collegiate Professor of Psychology

Daniel Lapsley received his Ph.D. in educational psychology at the University of Wisconsin-Madison in 1982. Lapsley is a specialist in adolescent development, moral psychology, and moral education. He is the author or editor of seven books and over 100 articles and chapters on various topics in adolescent and educational psychology. Dr. Lapsley is coordinator of academic programs for the Alliance for Catholic Education. Visit his lab website: www.nd.edu/~dlapsle1/Lab.

- Moral and Character Education in Schools  pg 33
- Risk-Taking in Adolescence  pg 38
- The Perils and Promise of Adolescence  pg 45

MARYA LIEBERMAN, PH.D.
Associate Professor, Chemistry and Biochemistry

Dr. Lieberman studied chemistry at MIT, earned a Ph.D. from the University of Washington in 1994, and was a postdoc at Caltech. At Notre Dame, she became interested in analytical needs in developing countries and the failure of existing technologies in these settings. Her research into paper analytical devices helps people in developing countries to detect low-quality or fake medicine, monitor environmental challenges, and alleviate shortages of micronutrients.

- Got Fakes?  pg 27

Joseph A. Matson Dean Emeritus and Professor of the Law School; President Emeritus of the University of Notre Dame Australia

Father David Link is currently a volunteer chaplain for the Northern Indiana Prisons. Previously he served as the deputy director of Religious and Community Activities for the Indiana Department of Corrections, provost and academic vice president of the St. Augustine University School in South Africa, dean of Law and deputy vice president of the University of St. Thomas, and president of the Centre for Healing and the Law. He was a co-founder of the South Bend Center for the Homeless and serves on the boards of Dismas House, the Miracle of Nazareth Foundation, Skyline Corporation, and World Dignity, Inc. He is a teacher and scholar in the fields of professional ethics, university administration, rights of the disadvantaged, international taxation, and computers and the law.

- Being Atticus Finch  pg 19
- Serving the Least, the Last, the Lost, and the Lonely I  pg 39
- Serving the Least, the Last, the Lost, and the Lonely II  pg 39

GEORGE A. LOPEZ, PH.D.
Hesburgh Professor of Peace Studies, Emeritus

George A. Lopez is the Rev. Theodore M. Hesburgh, C.S.C., Chair Emeritus in Peace Studies at the Kroc Institute, University of Notre Dame. In his 27 years at Notre Dame, he won a number of teaching awards as well as Notre Dame’s Media Legend award. An expert on peacebuilding and economic sanctions, since 1992 Lopez has advised various international agencies and governments regarding these issues. From October 2010 through July 2011, he served on the United Nations Panel of Experts for monitoring and implementing United Nations sanctions on North Korea. From September 2013 to July 2015, he was the Vice President of the Academy for International Conflict Management and Peacebuilding at the United States Institute of Peace, Washington, D.C.

- The Challenges of Peacebuilding in a World of Violence  pg 41
MICHAEL N. LYKoudis, M.ARCH.
Francis and Kathleen Rooney Dean and Professor, School of Architecture
The Francis and Kathleen Rooney Dean of the School of Architecture, Michael N. Lykoudis has served as professor of Architecture at the University of Notre Dame since 1991. He became chair of the school in 2002 and has been serving as dean since 2004. He has devoted his career to the building, study, and promotion of traditional architecture and urbanism. A graduate of Cornell University, Lykoudis earned his master’s degree from the University of Illinois’ joint business administration and architecture program. He is currently co-curating an exhibition in Athens, Greece at the Benaki Museum that addresses the critical issues facing the built environment today.

Architecture and Urbanism in a Time of Unprecedented Change pg 18

EDWARD J. Maginn, PH.D.
Dorini Family Professor and Department Chair, Chemical and Biomolecular Engineering
Edward Maginn received a B.S. from Iowa State University and a Ph.D. from the University of California (Berkeley), both in chemical engineering. He also worked for a time for Procter and Gamble. He joined the faculty of the University of Notre Dame in 1995. Maginn teaches courses on thermodynamics, molecular modeling, separations, and process design. His research focuses on the use of molecular modeling to design new materials for energy and environmental applications. He has been named teacher of the year in the College of Engineering and has received several national awards for research.

Powering the Planet in a Carbon-Constrained World pg 36

NELson Mark, PH.D.
The Alfred C. DeCrane Jr. Professor of International Economics; Acting Director, Liu Institute for Asia & Asian Studies
Nelson Mark came to Notre Dame in 2003 after holding previous positions at The Ohio State University. His research interests include the economics of China, international macroeconomics, and international finance.

Demographics and the Global Economy pg 22

Alexander Martin, PH.D.
Professor, History
Alexander M. Martin became hooked on Russian studies as a college sophomore when he first visited the Soviet Union in 1983, and he went on to earn his doctorate in Russian history at the University of Pennsylvania in 1993. Since 2006, he has been at Notre Dame, where he teaches courses in Russian, European, and urban history. He is the author of several books on tsarist Russia, most recently Enlightened Metropolis: Constructing Imperial Moscow, 1762-1855 (Oxford University Press, 2013), which was awarded the Marc Raeff Prize of the Eighteenth-Century Russian Studies Association.

Russia After Communism: Friend or Foe? Democratic or Authoritarian? European or “Eurasian”? pg 38
TIMOTHY M. MATOVINA, PH.D.
Professor, Theology; Co-Director, Institute for Latino Studies

Timothy Matovina works in the area of Theology and Culture, with specialization in U.S. Catholic and U.S. Latino theology and religion. He has published numerous popular and scholarly articles and authored or co-edited 16 books. His most recent book, *Latino Catholicism: Transformation in America’s Largest Church*, won five book awards, including selection as a CHOICE “Outstanding Academic Title” for 2012. His current book project is tentatively titled *Engaging a New World: Theologies of Guadalupe in the Americas*. In addition to his scholarly work, Matovina enjoys offering presentations and workshops in pastoral institutes, dioceses, and parishes throughout the United States.

- *Latino Catholicism: Transformation in America’s Largest Church* pg 31
- *Mary in the Bible and in Catholic Faith* pg 33
- *Our Lady of Guadalupe: Faith and Tradition* pg 35
- *The Writing of the Gospels* pg 47

MARY ANN MCDOWELL, PH.D.
Associate Professor, Biological Sciences

Mary Ann McDowell is an associate professor in the Department of Biological Sciences at the University of Notre Dame and the chair of the Faculty Advisory Committee of the Eck Institute for Global Health. She obtained a B.S. and M.S. from the University of Nebraska and her Ph.D. from the University of Wisconsin-Madison. After a post-doctoral fellowship at the National Institutes of Health, Dr. McDowell joined the Notre Dame faculty in 2001. The teaching and research interests of McDowell focus on the immunobiology of infectious diseases. Her current research program primarily focuses on two vector-transmitted diseases: leishmaniasis and malaria.

- *Fighting for Global Health: The Eck Institute for Global Health* pg 26
- *Hijacking Your Immune System: How Intracellular Parasites Survive* pg 28
- *The Unholy Trinity: Vector, Parasite, Host* pg 47

JAMES J. MCKENNA, PH.D.
Rev. Edmund P. Joyce, C.S.C., Chaired Professor in Anthropology; Director, Mother-Baby Behavioral Sleep Laboratory

James McKenna is the Edmund P. Joyce, C.S.C., Chaired Professor in Anthropology and director of the Mother-Baby Behavioral Sleep Laboratory at the University of Notre Dame. He serves on the Health Advisory Board of La Leche League International and is a Fellow in the American Association for the Advancement of Science. He obtained his undergraduate degree at the University of California (Berkeley), his master’s degree in anthropology at San Diego State University, and his Ph.D. in biological anthropology at the University of Oregon-Eugene.

- *Changing Concepts of Infant Care and Parenting: Sleeping With Baby, Breastfeeding, and Infant Sleep Position* pg 20
- *Do Men and Women Speak in Two Different Tongues? If So, Why?* pg 23
- *Human Aggression: Is It Really in the Genes?* pg 29
- *Stone Age People in a Space Age World: Changing Concepts of Health and Illness* pg 40
- *The Society That Mistook Its Children for Bats* pg 46

NICOLE MCNEIL, PH.D.
Alliance for Catholic Education (ACE) Associate Professor, Psychology; Director, Education, Schooling, and Society Minor (ESS); Fellow, Institute for Educational Initiatives (IEI)

Nicole McNeil received her B.S. from Carnegie Mellon, Ph.D. from Wisconsin, and completed a postdoc at Yale. She studies cognitive development, focusing on how children think, learn, and solve problems in mathematics. A key contribution of her work has been to show that relatively minor differences in children’s input can play a central role in shaping understanding of fundamental concepts. She received a Presidential Early Career Award for Scientists and Engineers and the Boyd McCandless Award from the American Psychological Association. McNeil’s research is supported by the Institute of Educational Science and the National Science Foundation.

- *Limitations to Teaching 2 + 2 = 4* pg 32
- *Small Differences in the Structure of Children’s Input Can “Add Up”* pg 39
SHAHRIAR MOBASHERY, PH.D.
Professor; Navari Family Chair, Life Sciences

Shahriar Mobashery is a biomedical scientist interested in mechanisms of disease processes and how to intervene them by biochemical strategies. He is an expert in antibiotics and resistance to them by bacteria, two areas of interest within his research group. He has published more than 330 articles in professional journals and is the co-editor of a book, Resolving the Antibiotic Paradox: Progress in Understanding Drug Resistance and Development of New Antibiotics. He has served on governmental and public sector advisory panels and boards. He received his B.S. from the University of Southern California in 1981 and his Ph.D. from the University of Chicago in 1985.

Antibiotics: The Twentieth-Century “Silver Bullets” and How They Are Being Tarnished  pg 18

Fighting for Global Health: The Eck Institute for Global Health  pg 26

How Methicillin-Resistant Staphylococcus Aureus (MRSA) Has Become a Global Clinical Scourge  pg 28

MARISEL C. MORENO, PH.D.
Associate Professor, Latino/a Literature

Marisel Moreno is an associate professor of Latino/a Literature in the Department of Romance Languages and Literatures at Notre Dame. She was a recipient of the American Association of University Women Fellowship in 2009-2010. Her first book, Family Matters: Puerto Rican Women Authors on the Island and the Mainland, was published as part of the New World Series by the University of Virginia Press. In 2011, she received the Indiana Governor’s Award for Service-Learning. Professor Moreno’s teaching and research interests include Latino-Caribbean authors (Puerto Rican, Dominican, and Cuban authors in the U.S.), Afro-Latinos, and the so-called “Other” Latinos (Salvadorans, Guatemalans, and Peruvians).

Why Teaching U.S. Latino Literature Matters: Living the Mission of Our University  pg 51

PATRICK E. MURPHY, PH.D., ’70
Professor, Marketing

Patrick Murphy, professor of Marketing, has been a member of the University of Notre Dame faculty since 1984. He is a former chair of the Department of Marketing and was a Fulbright Scholar at the University College Cork in Ireland (1993-94). Before coming to Notre Dame, Murphy taught at Marquette University. He holds a B.B.A. from Notre Dame, an M.B.A. from Bradley University, and a Ph.D. from the University of Houston. Murphy specializes in business and marketing ethics. In 2011, he was recognized by the American Marketing Association with a Lifetime Achievement Award for his contributions to the field.

Ethical Business in the 21st Century  pg 25

Marketing and the Common Good: Essays from Notre Dame on Societal Impact  pg 33

VINCENT PHILLIP MUÑOZ, PH.D.
Tocqueville Associate Professor of Political Science; Concurrent Associate Professor, Law


Did the Founding Fathers Intend to Separate Church from State?  pg 23

Notre Dame v. Obamacare: Our Lady’s University’s Fight for Religious Freedom  pg 34
JOHN C. NAGLE, J.D.
Professor; The John N. Matthews Chair in Law
John Nagle teaches, writes about, and has practiced environmental law. His book, Law’s Environment: How the Law Affects the Environment, was published by Yale University Press in 2010. One of his current book projects examines the relationship between Christian teaching and environmental law; the other forthcoming book explains the scenic value of national parks. Before joining the Notre Dame faculty, Nagle worked in the U.S. Department of Justice and served as a law clerk to Judge Deanell Reece Tacha of the U.S. Court of Appeals for the 10th Circuit. He is a graduate of Indiana University and the University of Michigan Law School.

- America the Beautiful pg 17
- China’s Environmental Disaster pg 21
- Congress Isn’t Broken pg 22
- Lame Ducks pg 31

WALTER J. NICGORSKI, PH.D.
Professor Emeritus, Program of Liberal Studies; Concurrent Professor, Political Science
Walter Nicgorski joined the Notre Dame faculty in 1964, having done his M.A. and Ph.D. at the University of Chicago. He has been the editor of The Review of Politics (1994-2004) and has been chair of the Program of Liberal Studies, Notre Dame’s 66-year-old Great Books Program. He has been a visiting scholar at Harvard University and at Cambridge University, as well as a visiting tutor in the Graduate Institute of St. John’s College (Santa Fe, N.M.). He has published essays and books on Cicero, liberal and character education, American political foundations, Leo Strauss, Yves Simon, and Allan Bloom.

- A Superb Statesman and Thinker: Cicero’s Achievements in the Roman Republic pg 17
- Classical Perspectives on Friendship and Aging pg 21
- The American Constitutional Tradition: HistoricStrengths and Current Challenges pg 40
- The Federalist Papers: A Unique and American Great Book pg 42
- The Morality of the Liberal Arts pg 44

JONATHAN NOBLE, PH.D.
Assistant Provost for Internationalization (Asia), ND International; Executive Director, Liu Institute for Asia and Asian Studies; Director, Beijing Global Gateway; Fellow, Kellogg Institute of International Studies
As assistant provost for Asia within Notre Dame International, Jonathan leads the development of the University’s academic collaborations and programs in Asia. He directs Notre Dame’s Beijing Global Gateway and serves as the Executive Director of the Liu Institute for Asia and Asian Studies. Holding a Ph.D. in East Asian languages and literatures from The Ohio State University, his research focuses on Chinese culture and society. He is the author of some 50 articles and translations and was one of 20 China scholars in the United States selected for the National Committee on United States-China Relations’ Public Intellectual Program.

- China’s Cultural Scene pg 21
- China’s Global Impact pg 21
THOMAS F. NOBLE, PH.D.
Professor Emeritus, History; Fellow, Nanovic Institute for European Studies

Thomas Noble earned his B.A. at Ohio University and his M.A. and Ph.D. at Michigan State. For 41 years he taught classical and medieval history at Texas Tech, the University of Virginia, and at Notre Dame. Having retired in 2016 as Andrew V. Tackes Professor of History, he was formerly chair of the Department of History and director of the Medieval Institute. He has published and lectured widely on both Europe and the Mediterranean world. Author or editor of twelve books, he has held numerous fellowships and awards, been a member of the Institute for Advanced Study in Princeton, and is a fellow of the Medieval Academy of America. He won the University of Virginia’s Alumni Distinguished Professor Award in 1999, Notre Dame’s Edmund P. Joyce, C.S.C., Award for Excellence in Undergraduate Teaching in 2008, and the Charles Sheedy, C.S.C., Award for Excellence in Teaching in the College of Arts and Letters in 2011. Noble was the president of the American Catholic Historical Association in 2012 and of the American Society of Church History in 2014.

*** Faith Taking Shape: Early Christianity and the Arts pg 26
*** Western Civilization: What a Good Idea pg 49

REV. RONALD J. NUZZI, PH.D.
Senior Director, The Alliance for Catholic Education (ACE)

Father Ron Nuzzi, a priest of the Diocese of Youngstown, Ohio, currently serves as a senior director in the Alliance for Catholic Education (ACE), where he leads a new initiative to renew the faith and evangelical zeal of Catholic educators. He was the founding director of the Mary Ann Remick Leadership Program, coming to Notre Dame in 2002. Nuzzi holds a Ph.D. in educational leadership and graduate degrees in theology, philosophy, and educational administration. He has conducted two research tours at the Vatican’s Congregation for Catholic Education and did research on seminaries for the U.S. Catholic Conference of Bishops (USCCB). He has authored and edited numerous books on Catholic education and has completed several national studies focused on pastors, principals, and the use of buildings that once housed Catholic schools. He has been a visiting professor at the University of Notre Dame Fremantle in Western Australia and has addressed Catholic educators throughout the U.S., Canada, Australia, Ireland, and Mexico. In February 2016, Fr. Nuzzi was named a Missionary of Mercy by Pope Francis.

*** Catholic Schools and the New Evangelization pg 20
*** Only the Strong Can Be Gentle: Toward Spirituality for Leadership pg 35
PATRICIA A. O’HARA, ’74 J.D.
Professor, Law

Patricia O’Hara joined the faculty of Notre Dame Law School in 1981, received tenure in 1987, and became a full professor in 1990. That same year she was elected by the University’s Board of Trustees as vice president for Student Affairs, the first woman to serve as an officer of the University. In 1999, she became dean of the Law School and served in that capacity for 10 years. Professor O’Hara returned to the faculty in 2010-2011. Her areas of specialty include corporate law and higher education. She is a member of the advisory board of the Alliance for Catholic Education.

Keeping the Faith: Catholic Higher Education in the 21st Century  pg 31
Parental Choice: An Issue of Social Justice  pg 35

SUSAN C. OHMER, PH.D.
Associate Professor, Film, Television, and Theatre; The William T. Carey and The Helen Kuhn Carey Chair in Modern Communications

Dr. Ohmer teaches classes in film and television history, including “Film and Digital Culture” and “Media and Presidential Elections.” Her research focuses on the industrial and organizational aspects of media companies. Her first book, George Gallup in Hollywood, examines the use of market research in the film industry, and she is completing a book on the Disney studio during the 1940s. As an administrator, she has served as a Provost’s Fellow (2007-2009), as assistant provost (2009-2011), as interim director of the Hesburgh Libraries (2010-2011), and as director of Digital ND (2011-2013).

Presidential Elections on Film and Television  pg 36
Princess Culture  pg 36

ATALIA OMER, PH.D.
Associate Professor, Religion, Conflict, and Peace Studies

Atalia Omer earned her Ph.D. (November 2008) from the Committee on the Study of Religion at Harvard University. Her research interests include the theoretical study of the interrelation between religion and nationalism; religion, nationalism, and peacebuilding; the role of national/religious/ethnic diasporas in the dynamics of conflict transformation and peace; and multiculturalism as a framework for conflict transformation and as a theory of justice. Her first book, When Peace is Not Enough: How the Israeli Peace Camp Thinks about Religion, Nationalism, and Justice (University of Chicago Press, 2013), examines the way the Israeli peace camp addresses interrelationships between religion, ethnicity, and nationality, and how it interprets justice vis-à-vis the Palestinian conflict.

Does Religion Cause Violence? What is the Role of Religion in Peacebuilding?  pg 23
The Future of Jerusalem: Peace or Apocalypse?  pg 43

JAMES S. O’ROURKE IV, PH.D.
Professor, Management; Arthur F. and Mary J. O’Neil Director, Fanning Center for Business Communication

James S. O’Rourke teaches management and corporate communication at the University of Notre Dame, where he is a teaching professor of Management and the Arthur F. and Mary J. O’Neil Director of the Fanning Center for Business Communication. He is the author of 19 popular textbooks and more than 350 business case studies.

Professor O’Rourke is a 1968 graduate of Notre Dame with advanced degrees from Temple University, the University of New Mexico, and a doctorate in Communication from the S. I. Newhouse School of Syracuse University. He was a Gannett Foundation Teaching Fellow at Indiana University in the 1980s, and a graduate student in language and history at Christ’s College, Cambridge University in England during the 1970s.

Influence and Persuasion  pg 29
Intercultural Communication  pg 30
Reputation Management  pg 38
JOSEPH E. O’TOUSA, PH.D.
Professor, Biological Sciences

Joseph O’Tousa graduated from the University of California, Irvine, and obtained a Ph.D. in Genetics from the University of Washington. He worked at Purdue University before moving to a faculty position in Biological Sciences at the University of Notre Dame. His research interests center on visual systems typically using insect models to understand genetic causes of retinal degeneration and the capabilities of visual systems to repair damage and reestablish neuronal connectivity. One focus is the unique properties of mosquito visual systems. His research employs multiple experimental approaches, including proteomics, molecular biology, cell biology, genetics, and biochemistry.

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F. CLARK POWER, ED.D.
Professor, Program of Liberal Studies; Director, Play Like A Champion™; Concurrent Professor, Psychology; Fellow, Institute for Educational Initiatives

F. Clark Power has been teaching in the Program of Liberal Studies at the University of Notre Dame for more than 30 years. He also is a concurrent professor of Psychology, a fellow of the Institute for Educational Initiatives, and founder of the Play Like A Champion™ Program for youth sports coaches and parents. He received an Ed.D. in human development from Harvard University’s Graduate School of Education in 1979. His research and writing focus on moral development.

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MICHAEL J. PRIES, PH.D., ’93
Associate Professor, Economics

Michael Pries joined the Department of Economics in 2007. His primary field of research is macroeconomics, with a focus on labor markets. His current research focuses on amplification and persistence of shocks to the labor markets and on cross-country differences in labor market performance. He teaches macroeconomics at both the graduate and undergraduate levels and teaches an undergraduate course in financial economics. Pries has published in the Journal of Political Economy, the Review of Economic Studies, the European Economic Review, the Review of Economic Dynamics, and the Journal of Economic Dynamics and Control.

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VERA B. PROFIT, PH.D.
Professor Emerita, German and Comparative Literature

Vera Profit earned her Ph.D. in Comparative Literature (French and German) at the University of Rochester, New York, and spent two years studying abroad: one at the University of Vienna, the other at the Sorbonne. In August 2014, Rodopi of Amsterdam (now Brill) published her latest monograph: The Devil Next Door: Toward a Literary and Psychological Definition of Human Evil. Prior to the publication of The Devil Next Door, Profit presented excerpts from the work in progress at conferences both here and abroad. The venues ranged from the Anglo-American College in Prague and the Universities of Innsbruck, Roskilde and Ghent to the Oxford Round Table. During her tenure at Notre Dame, she was twice recognized for excellence in teaching.

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LINDA PRZYBYSZEWSKI, PH.D.
Associate Professor, History; Concurrent Professor, Law


- *Don't Know Much About History*  pg 23
- *The Lost Art of Dress*  pg 44
- *Who Won the Bible War?*  pg 50

GABRIEL SAID REYNOLDS, PH.D.
Professor, Theology


- *Islam, the Catholic Church, and the Future of the World*  pg 30
- *The Bible and the Qur’an*  pg 41

ROBIN F. RHODES, PH.D.
Associate Professor, Art, Art History, Design; Concurrent in Classics and Architecture

Robin Rhodes is an archaeologist and historian of classical art and architecture. His most recent work includes the final preparation of a monograph on the earliest monumental temple in Greece, *The Seventh Century Temple on Temple Hill in Corinth*, and the collaborative creation and curation of an exhibit of the Athenian Acropolis. Other recent work includes the publication of edited volumes on *The Acquisition and Exhibition of Classical Antiquities: Professional, Legal and Ethical Perspectives and Eclectic Antiquity: The Classical Collection of the Snite Museum of Art*. His book, *Architecture and Meaning on the Athenian Acropolis* (Cambridge U Press) is in its fifth printing. Before coming to Notre Dame, he taught at Yale University, Columbia University, and Bowdoin College.

- *Reconstructing Ancient Corinth*  pg 37
- *The Art and Landscape of Greece*  pg 41
- *The Origins of Monumental Architecture in Greece*  pg 45

KAREN E. RICHMAN, PH.D.
Director, Migration and Border Studies, Institute for Latino Studies; Concurrent Associate Professional Specialist, Anthropology

Karen Richman is a cultural anthropologist. Her areas of research, scholarship, and teaching are immigration, culture, and religion in Haitian and Mexican transnational communities. She is the author of *Migration and Vodou* (2005), a multisided ethnography of a transnational Haitian community and of numerous articles and book chapters on Haitian and Mexican migration, family, religion, and expressive culture. Richman won the 2009 Heizer award for the best article in the field of ethnohistory for her article, “Innocent Imitations? Mimesis and Alterity in Haitian Vodou Art.” She is director of Academic Affairs in Latino Studies, a member of the Anthropology Department, and a Fellow of the Kellogg Institute for International Studies.

- *A More Powerful Sorcerer? Magic and Conversion in a Haitian Transnational Community*  pg 16
- *Immigrants, Social Investments, and Social Capital: A Mexican Immigrant Case Study*  pg 29
- *Religion at the Epicenter: Facts and Fables*  pg 38
- *Run From the Earthquake, Fall into the Abyss: A Léogane Paradox*  pg 38
JUAN M. RIVERA, PH.D.
Professor Emeritus, Accounting; Fellow, Kellogg Institute for International Studies

Juan Rivera is a certified public accountant with areas of expertise in international financial reporting, foreign exchange risk, and international taxation. He has been the recipient of two Fulbright Fellowships, to Panama (1986) and to Mexico (2001), and of a three-year grant from USAID to promote social enterprises and business opportunities for small-scale agricultural producers. He is the lead editor of the book NAFTA and the Campesinos: The Impact of NAFTA on Small Agricultural Producers in Mexico and Prospects for Change, published by Scranton University Press in December of 2008.

Managing the Foreign Exchange Risk in International Operations  pg 32

The Adoption of IFRS by Public Corporations in the World  pg 40

The Foreign Corrupt Practices Act (FCPA)  pg 42

SEBASTIAN ROSATO, PH.D.
Associate Professor, Political Science

Sebastian Rosato is an associate professor of Political Science, specializing in international relations. He is the author of Europe United: Power Politics and the Making of the European Community (Ithaca: Cornell University Press, 2011) and is currently working on a book about great power competition since 1789. Professor Rosato received a B.A. (Honors) in History from Cambridge University, an M.Phil. in International Relations from Oxford University, and a Ph.D. in Political Science from the University of Chicago. Before attending graduate school, he worked for Goldman Sachs in London.

Why the United States and China Are On a Collision Course  pg 51

CHARLES M. ROSENBERG, PH.D.
Professor Emeritus, Art History

Charles Rosenberg, professor emeritus of Art History at the University of Notre Dame, joined the faculty in 1980. An internationally recognized authority on Italian Renaissance and Baroque art, Rosenberg has held numerous national fellowships, including ones to the Harvard University Center for Italian Renaissance Studies in Florence and the American Academy in Rome. The author of several dozen articles and reviews, Rosenberg has also published a book on art and politics in Renaissance Ferrara. He is the editor of a book on art and patronage in six northern Italian Renaissance cities and has just completed a catalog of Notre Dame’s collection of Rembrandt’s religious prints.

Leonardo da Vinci: Painter of Mysteries  pg 31

The Religious Prints of Rembrandt: The Childhood of Christ  pg 45

The Sistine Chapel: History and Meaning  pg 46
RANDAL C. RUCHTI, PH.D.
Professor, Physics

Randy Ruchti specializes in particle physics, detector development, and science education. As a member of the CMS experiment at CERN (Geneva, Switzerland), Ruchti and CMS recently discovered a new fundamental particle called a Higgs Boson, considered important to our understanding of mass. To study such fundamental objects, Ruchti has pioneered the development of optical fiber detectors that have been utilized in several major experiments in the U.S. and Europe. Ruchti is also a co-founder of QuarkNet, a National Science Education project that partners high school teachers and students with research physicists in the United States and worldwide.

“Seeing” Particles and Interactions  pg 39

ZACHARY T. SCHAFER, PH.D.
Coleman Foundation Associate Professor of Cancer Biology

Zachary Schafer earned his B.S. in Biological Sciences from Notre Dame in 2001. In 2006, he completed his Ph.D. in Molecular Cancer Biology at Duke University and then proceeded to complete postdoctoral studies in the Department of Cell Biology at Harvard Medical School. In 2009, he returned to Notre Dame as a member of the faculty. Dr. Schafer’s laboratory investigates the molecular mechanisms utilized by cancer cells to survive during metastasis. He is the recipient of a V Scholar Award from the V Foundation for Cancer Research, a Research Scholar Award from the American Cancer Society, and a Career Catalyst Award from Susan G. Komen. Dr. Schafer and his wife Veronica (also a 2001 Notre Dame graduate) live in Granger, Indiana with their 4 children: Noah, Ethan, Claire, and Ava.

Antioxidants: Friend or Foe of Cancer Cells?  pg 18
Investigating How Cancer Cells Survive: The Key to Blocking Metastasis?  pg 30

WILLIAM F. SCHNEIDER, PH.D.
Professor, Concurrent Professor, Chemistry and Biochemistry

Bill Schneider was born and raised in Detroit, Michigan. After receiving his Ph.D. in Chemistry from The Ohio State University in 1991, he began his professional career in the Ford Motor Company Research Laboratory. There he worked on a variety of problems in automotive emissions impact and abatement, primarily drawing on his expertise in chemical simulations. In 2004, he joined the Chemical and Biomolecular Engineering faculty at the University of Notre Dame as an associate professor. At Notre Dame he has established a diverse research program built around chemical and materials simulations applied to problems in energy and the environment. He was promoted to professor in 2010 and recognized as a Fellow of the American Association for the Advancement of Science. He has co-authored more than 150 papers and monographs and is a senior editor of the Journal of Physical Chemistry. He makes his home in Granger, Indiana with his three children, Justin, MiMi, and Meredith.

Quantum Mechanics Got Us into This Mess and Will Help Get Us Out  pg 37
O. CARTER SNEAD, J.D.
Professor, Law; W.P. and H.B. White
Director of the Notre Dame Center
for Ethics and Culture

Professor Snead is an internationally
recognized expert in Public
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good. He is the author of over 40 published works exploring
issues relating to neuroethics, enhancement, stem cell
research, abortion, and end-of-life decision-making. He
has advised officials in all three branches of the federal
government. Among other posts, he served as General
Counsel to the President’s Council on Bioethics (2002-2005).

Advising the White House on Public Bioethics: The
Role of General Counsel to the President’s Council on
Bioethics  pg 17

Human Dignity in American Law and Policy  pg 29

Notre Dame’s Catholic Witness: On Campus and in the
Public Square  pg 34

The HHS Contraceptive Mandate and Religious
Liberty  pg 43

The Law, Ethics, and Policy of Abortion  pg 44

The Law, Ethics, and Policy of Assisted Suicide,
Euthanasia, and End-of-Life Decision-Making  pg 44

The Law, Ethics, and Policy of Stem Cell Research and
Human Cloning  pg 44

The Role of Science in Making Law and Policy: The Case
of Public Bioethics  pg 46

DUNCAN G. STROIK,
M.Arch.
Professor, Architecture

Duncan G. Stroik is a practicing
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the Our Lady of the Most Holy Trinity Chapel in Santa Paula,
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Sacred Architecture and his recent book is The Church
Building as a Sacred Place: Beauty, Transcendence, and the
Eternal.

An Architecture of Transcendence  pg 17

Church Architecture for the Poor?  pg 21

Church Architecture Since Vatican II  pg 21

Spires, Domes, and Dormitories: The Architecture of the
Catholic Campus  pg 40

REV. THOMAS G.
STREIT, C.S.C., ’80, ’85
M.Div., ’91 M.S., ’94
PH.D.

Founder, Notre Dame Haiti Program

Rev. Tom Streit, C.S.C., works in Haiti
studying transmission dynamics
for the exotic parasitic disease lymphatic filariasis, which is
a leading cause of elephantiasis and disability worldwide.
Streit had a vision that social and natural science, law, and
business students, faculty, and alumni could, working from
a Gates-funded facility near Port-au-Prince, be engaged to
help eradicate the disease by 2020. A broad partnership,
including Notre Dame, has helped identify more than $36
million in support of a campaign which, in keeping with
the Church’s / Notre Dame’s mission, puts our powerful
operational research apparatus at the service of the poor.

No One Is an Island  pg 34

Tax Dollars for Foreign Aid: ## Going Down a Rat Hole?
pg 40

JAMES X. SULLIVAN,
PH.D., ’93
Associate Professor, Economics

Jim Sullivan is the McDonough
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the University of Notre Dame, and
a research affiliate of the National
Poverty Center. His research examines the consumption,
saving, and borrowing behavior of the poor in the U.S.; the
impact of welfare and tax policy; and poverty measurement.
In 2012, Sullivan co-founded the Lab for Economic
Opportunities, a research center that partners with Catholic
Charities and other service providers to evaluate program
impact and identify effective and replicable solutions to
reduce poverty in America. He received his B.A. from Notre
Dame and his Ph.D. from Northwestern University.

The Lab for Economic Opportunities (LEO):
Where Academics Join Service Providers in the Fight
Against Poverty  pg 44
JENNIFER L. TANK, PH.D.
Ludmilla F., Stephen J., & Robert T. Galla Professor of Biological Sciences; Director, Notre Dame Environmental Change Initiative

Dr. Jennifer Tank is the Ludmilla F., Stephen J., and Robert T. Galla Professor of Biological Sciences at the University of Notre Dame. She is also the director of the Notre Dame Linked Experimental Ecosystem Facility. She studies the cycling of nutrients in streams and rivers with a focus on the restoration of ecosystem function in impacted systems. She also leads a multidisciplinary group of researchers examining the effect of agricultural land use on freshwater as part of the Notre Dame Environmental Change Initiative. It is her goal to translate this research to inform effective management of streams and rivers.

Preventing Coastal “Dead Zones” from a Distance pg 36

ANTHONY M. TROZZOLO, PH.D.
Huisking Professor Emeritus of Chemistry and Biochemistry

Anthony M. Trozzolo received his B.S. from Illinois Institute of Technology in 1950 and his M.S. and Ph.D. degrees from the University of Chicago in 1957 and 1960. He was a member and technical staff at the Bell Telephone Laboratories in Murray Hill, N.J. from 1959-1975, and became the first Charles L. Huisking Professor at Notre Dame in 1975. Trozzolo was elected Fellow of the AAAS in 1963, the American Institute of Chemists in 1962, the Inter-American Photochemical Society in 2000, and the American Chemical Society in 2011. He was an associate editor of the Journal of the American Chemical Society from 1975-1976 and the editor of Chemical Reviews from 1977-1984. Trozzolo was a Trustee of the Gordon Research Conferences. He received the Distinguished Alumnus Award for Professional Achievement from both the Illinois Institute of Technology in 2009 and the University of Chicago in 2012.

A Serendipitous Route to the Golden Dome pg 17

EUGENE C. ULRICH, PH.D.
Professor Emeritus, John A. O’Brien Chair, Hebrew Scripture, Theology

Eugene Ulrich received his Ph.D. from Harvard University and taught at the University of Notre Dame from 1973 to 2013. A member of the American Academy of Arts and Sciences, he is chief editor of the Biblical Dead Sea Scrolls for Oxford University Press and was elected president of the Catholic Biblical Association for 2002-2003. He serves as a member of the Bible revision committees for both the New Revised Standard Version and the New American Bible: Revised Edition and has recently co-authored The Dead Sea Scrolls Bible.

The Impact of the Dead Sea Scrolls on Our Bible pg 43

JOEL E. URBANY, PH.D.
Professor, Marketing

Joe Urbany (Ph.D., The Ohio State University) is a professor of Marketing in the Mendoza College of Business. His research has been cited in U.S. News and World Report, MSNBC, the Wall Street Journal, UPI, and in other international media, and has received several distinctions, including a #6 ranking in a 2012 analysis of over 2,000 authors contributing to research in pricing in the marketing literature. He has won teaching recognitions at several universities and is co-founder of South Bend-based Vennli, Inc., which has built the 3-Circle growth strategy process into a software platform, providing strategy insights for over 100 clients.

Grow by Focusing on What Matters: Competitive Strategy in 3-Circles pg 28
DOMINIC O. VACHON, PH.D., ’80, ’85 M.DIV.
Director, Ruth M. Hillebrand Center for Compassionate Care in Medicine

Dominic Vachon is the director of the Ruth M. Hillebrand Center for Compassionate Care in Medicine in the College of Science, dedicated to advancing the scientific theory and practice of compassionate care in medicine. Vachon graduated from Notre Dame with bachelor’s degrees in psychology and philosophy in 1980 and a Master of Divinity in 1985. In 1993, he received a Ph.D. in Counseling Psychology from Loyola University, Chicago. Vachon does research in empathy and burnout, physician communication, and the role of spirituality in helping others; he teaches courses in the science of compassion, spiritualities of caring, and medical counseling skills.

MITCHELL R. WAYNE, PH.D.
Professor, Physics

Mitchell Wayne is a professor of Physics specializing in experimental particle physics. Previously, he served as chair of the Department of Physics and as an associate dean of the College of Science. He received his B.S., M.S., and Ph.D. from the University of California, Los Angeles. Professor Wayne’s teaching has been recognized with a Kaneb Teaching Award and the Shilts-Leonard Teaching Award. He also is the principle investigator of QuarkNet, a renowned national physics education and outreach program. Professor Wayne is particularly interested in new techniques for particle detectors and in searches for physics beyond the “standard model.”

KRISTIN VALENTINO, PH.D.
Associate Professor, Psychology; Licensed Clinical Psychologist

Dr. Kristin Valentino is an associate professor of Psychology and a licensed clinical psychologist who specializes in developmental psychopathology. Her research focuses on the role of typical and atypical parenting (i.e., child maltreatment) on child development, including parent-child communication, memory, and psychopathology. She also has expertise in the development of parent-child interventions for child maltreatment.

REV. OLIVER F. WILLIAMS, C.S.C., PH.D., ’61, ’69 M.A.
Associate Professor, Management; Fellow, Joan B. Kroc Institute for International Peace Studies; Director, Center for Ethics and Religious Values in Business

Oliver Williams is a faculty member of the Mendoza College of Business and is director of the Center for Ethics and Religious Values in Business. Williams is the editor or author of 20 books as well as numerous articles on business ethics in journals. He served as an associate provost of the University of Notre Dame and is a past chair of the Social Issues Division of the Academy of Management. In 2006, he was appointed a member of the three-person Board of Directors of the United Nations Global Compact Foundation. He has served as a visiting professor in the University of Cape Town and Stellenbosch University in Africa and Kyung Hee University in Korea. He is an ordained priest in the Congregation of Holy Cross.

Transcending Suffering: Spirituality and Maintaining Compassion in the Encounter with Human Pain  pg 48
What Difference Does Caring Make in Business and Healthcare?  pg 49
How Parents Can Support Child Cognitive and Emotional Development Through Reminiscing  pg 28
Einstein: How One Mild-Mannered Physicist Changed the Way We Understand Our World  pg 24
The Higgs Boson: Have We Finally Discovered the “God Particle”?  pg 43
Can You Do Well While Doing Good?  pg 19
Recent Catholic Social Thought: A Spirituality for Business Life  pg 37
The UN Global Compact—The Sustainable Development Goals and the Common Good  pg 47