Bulletin Boards

“something that has to be decorated”
or
“a great marketing tool”
Faculty

Featured Faculty

Faculty Research

Faculty Interests
Lee Hardy

Born in Ventura, California, Prof. Hardy grew up in Orange County, splitting his high school years between the Charter School, the Montlake School, and Spanish Fork. Something of a nomadic child, he finds the stories of the founders of the University of California at Berkeley very similar to his own. After attending a degree in English, he returned to the Bay Area to work as a designer in Berkeley. Then he spent altogether too much time in Thrift/shop, where he found, walked into a bookshop and picked up a copy of The Soul of a New Machine by Kevin Kelly. Hardy has a BA in Philosophy from the University of California, Berkeley, and a PhD in Philosophy from the University of Chicago.

The Calvin student philosophy club, Symposium, meets every Wednesday afternoon at 4:30pm in HH 336.
The Origin of Cetaceans

Most mammals are TERRESTRIAL...

...but some are AQUATIC!

CETACEANS are the most diverse aquatic mammals

Odontocetes (toothed whales)

Mysticetes (baleen whales)

Cetaceans are well-adapted for aquatic life...

...but if all mammals are descended from a common ancestor, as posited by evolutionary theory, then whales, dolphins, and porpoises must be descended from ancestors that lived on land!

In the past 10 years, the fossil record of the earliest cetaceans has exploded. There are now over 50 known species of early cetaceans called archaicetes that bridge the gap between fully aquatic whales and their terrestrial, four-legged ancestors.

Aetiocetus

We can use the lifestyles and swimming modes of modern mammals to develop hypotheses for how this might have occurred and use the fossil record to test these models.

Odontocetus

Mammals

Using comparative anatomy and functional morphology, we can interpret how a fossil animal was able to move by reconstructing its muscles and ligaments based on the shapes of its bones.

Multivariate statistical techniques allow us to analyse datasets derived from bones of living mammals and discern which modern species have anatomies most similar to those of fossil species.

Neck vertebrae of Remingtonocetus

The use of a multifaceted approach in studying fossil cetaceans allows us to reconstruct their capabilities with more nuance and confidence, giving us a more thorough understanding of how the earliest whales made the transition from land to sea.

Multibody dynamic modeling enables us to reconstruct or simulate soft tissue elements for fossil animals and estimate the range of motion in a joint given different sets of parameters. These results can be compared across different fossil species to quantify changes in function.
### Sociology

<table>
<thead>
<tr>
<th>Name</th>
<th>Hometown</th>
<th>Interests</th>
<th>Looking for:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elisha Marr</td>
<td>Wyoming, Michigan</td>
<td>interested in: the intersection of race, class, gender, &amp; sexuality; inequality &amp; empowerment; media/popular culture; families.</td>
<td>a new series of mystery books like Sue Grafton's or Michael Connelly's</td>
</tr>
<tr>
<td>Jonathan Hill</td>
<td>Grove City, Pennsylvania</td>
<td>interested in: sociology of religion, understanding how college shapes students, foreign films, trying new food.</td>
<td>my ancestors.</td>
</tr>
<tr>
<td>Mark Mulder</td>
<td>Waupun, Wisconsin</td>
<td>interested in: studying neighborhoods, cities, and religion. I also like coffee, Red Vines, biking, and kayaking.</td>
<td>&quot;the face I had before the world was made.&quot; (Yeats).</td>
</tr>
<tr>
<td>Martin Hughes</td>
<td>Phoenix, Arizona</td>
<td>interested in: how culture changes over time; how cultural change affects and is affected by individuals and groups, and how it is expressed through the mass media; how individuals are both constrained and empowered by social institutions, like school, church, work, and family.</td>
<td>more time to write and publish my research on movies about the future and on entrepreneurial higher education, without sacrificing time with family, colleagues, or students.</td>
</tr>
<tr>
<td>Todd Vanden Berg</td>
<td>Grand Rapids, Michigan</td>
<td>interested in: running, working in the garden, and all things Jamaican. Currently doing research in Jamaica on host perceptions of tourism and tourists.</td>
<td>a quiet dinner with my wife.</td>
</tr>
<tr>
<td>Michelle Loyd-Paige</td>
<td>San Diego, California</td>
<td>interested in: formative aspects of worship within the Black Church, identity formation of African-American female preachers.</td>
<td>really good vegan recipes.</td>
</tr>
</tbody>
</table>

### Social Work

<table>
<thead>
<tr>
<th>Name</th>
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<th>Looking for:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kristen Admiraal</td>
<td>Newark, New York</td>
<td>interested in: running, snowshoeing, hiking.</td>
<td>more time.</td>
</tr>
<tr>
<td>Joe Kuilema</td>
<td>Grand Rapids, MI</td>
<td>interested in: Community Organizing and Development, Youth, West Africa, Biking, Theology</td>
<td>still haven't found it.</td>
</tr>
<tr>
<td>Lissa Schwander</td>
<td>Truthfully, I don't have a home town. I moved seven times before I graduated from high school.</td>
<td>Social welfare policy; intersections of race, class, gender; immigration and families</td>
<td>a great year with great students who are looking to make a difference in the world.</td>
</tr>
<tr>
<td>Kurt Ver Beek</td>
<td>South Holland, Illinois</td>
<td>interested in: Everything Honduras, Christian perspectives on poverty and development, short-term missions, maquilas, bike riding, running, time with my family.</td>
<td>the $4 billion in debt relief that Honduras received; and how to address the serious problems in Honduras education, health and security systems.</td>
</tr>
<tr>
<td>Rachel Venema</td>
<td>Upland, CA</td>
<td>interested in: leading off-campus field trips and interims, being involved in local research and program evaluation, finding old furniture, and eventually growing a garden.</td>
<td>a bicycle.</td>
</tr>
</tbody>
</table>
Courses

highlight a specific course
explain a new major or minor
highlight student interns
SEMESTER IN PERU

Population: 905,000 (Peru’s 2nd largest city)
Altitude: 2,335 meters (7,661 feet)
UNESCO World Heritage Site
Surrounded by dormant volcanoes Misti, Picchu Picchu, and Chachani
Spring-like climate, dry and sunny during the fall semester

Semester Excursions:
- Colca Canyon (2nd deepest in the world)
- Lake Titicaca and Puno
- Cuzco and Machu Picchu
- Lima

Our Host Institution:
Universidad Católica San Pablo
- Approximately 6,000 students
- Founded in 1997, seeking to transform culture by the light of faith and reason
- 8 professional programs
- Peruvian professors
- Extracurricular activities
- Publishing house, research institutes, development projects, ministries

Things to Do in Arequipa:
- Hike Mount Misti or the Colca Canyon
- Attend concerts or visit historic sites
- Canoe or raft the Chili River
- Participate in university activities
- Enjoy the beautiful downtown plaza and its cafés
- Shop for local chocolates or alpaca wool items

Academic Information:
- For Spanish majors and minors
- Prerequisite: Spanish 201
- Up to 17 credit hours, all counting toward Spanish major/minor
- Required culture course
- Direct enrollment in San Pablo courses taught in Spanish with Peruvian classmates
- Courses available in areas of professional interest such as Elementary Education, Business Administration, Psychology, and Engineering
- Core requirements fulfilled in Global Historical Studies, Literature, and Cross-Cultural Engagement

CALVIN COLLEGE
the new business major

- educationally excellent
- experiential
- engaged with the broader community

Benefits

The New Business Major is Smaller.
A smaller major provides our students the opportunity to both major in business and study in another area for which they have a passion. A smaller business major gives students the opportunity to pursue a minor, a study abroad experience, or an off-campus semester program.

The New Business Major provides concentrations for study within business.
Students will prepare themselves for productive participation in a functional area of business by developing a depth of understanding in a business concentration that is selected based on each student’s particular calling, interests and gifts.

The New Business Major is experiential.
The New Business Major enhances experiential learning opportunities. Many of our concentrations include the ability to use an Internship in Business (BUS 390) toward the concentration requirement. In addition, we have added Business 397 The Business Capstone; a significant component of this course will be to engage with an area business to tackle real problems and develop business solutions.

The New Business Major incorporates a course in Business Ethics.
This new course will provide students with an understanding of legal requirements for business conduct, frameworks for evaluating actions and policies, and systems and techniques for promoting ethical behavior and overcoming rationalizations for unethical behavior.

The New Business Major provides a unified Business Capstone.
The Business Capstone course will provide students the opportunity to work in cross-functional teams on real business issues.

Requirements

I. Exploration (3 credits required)
   - Introduction to Business – Bus 160

II. Foundation (9 credits required)
   - Accounting – Bus 203, Bus 204
   - A “C” or above in Bus 203 is the gateway requirement for the business major.
   - Economics – Econ 221, Econ 222
   - Quantitative Methods – Math 143, 151

III. Business Core (15 credits required)
   - Organizations and Management – Bus 340
     (which also fulfills the Integrative Studies college core requirement)
   - Ethics in Business – Bus 362
   - Financial Principles – Bus 370
   - Marketing – Bus 380
   - Business Strategy – Bus 396

IV. Depth – Business Concentrations
The new Business Major offers concentrations in four functional areas of business: Marketing, Finance, Human Resources and Operations. We will also offer a concentration in Small Business Management.

V. Integration (3 credits required)
   - Business – Capstone Bus 397

Depth – Business Concentrations

Business majors are required to choose a business concentration based on their calling, interests and gifts.

Marketing
   - Bus 382 – Consumer Behavior Theory and Practice
   - Plus one from the following:
     - Bus 381 – Advanced Topics in Marketing
     - CAS 205 – Advertising and Public Relations
     - Bus 359 – Internship in Marketing

Finance
   - Bus 371 – Financial Instruments and Markets
   - Plus one from the following:
     - Bus 372 – Advanced Topics in Finance
     - Econ 331 – Money and Banking
     - Econ 326 – Business Cycles and Forecasting
     - Bus 359 – Internship in Finance

Human Resources
   - Bus 365 – Human Resource Management
     - Plus one from the following:
       - Econ 335 – Labor Economics
       - Psych 301 – Organizational Psychology
       - Psych 310 – Social Psychology
       - Bus 359 – Internship in Human Resources

Operations
   - Math 201 – Quantitative Methods for Management
   - Bus 363 – Production and Operations Management

Small Business
   - Bus 367 – Small Business Management
     - Plus two of the following:
       - Bus 350 – Law in Business
       - Bus 363 – Production and Operations Management
       - Bus 365 – Human Resource Management
Spring Classes 2013

FRENCH

Dutch

Chinese

German

Japanese

Korean

Upcoming Events & Information

for more information call 616-526-6361.
Department

mission statement

list of faculty

majors offered
Department of Biology

Within the broader mission of Calvin College, we seek to respond to our Creator's call to investigate the diversity, organization, and functioning of the living world and to provide a Christian model for its study, care, and keeping.

Faculty
Ryan Behej
Yaw Bediako
Curtis Blankespoor
Hessel Bouma III
Randall Dejong
David Dornbos
Keith Grasman
Arlene Hoogewerf
David Koeije
Richard Nyhof
Darren Proppe
Anding Shen
Peter Tigchelaar
John Ubels
Randall VanDragt
David Warners
John Wertz
Amy Wilstermann

Staff
Pat Buist
Administrative Assistant
Lori Keen
Laboratory Manager
Mike Ryskamp
Plaster Creek Stewards Program Coordinator
Jeanette Henderson
Ecosystem Preserve Program Manager
Scott Prentice
Equipment Manager
Mary Dekker
Research Technician
Mark Schotanus
Research Technician

Biology
Biotechnology
Environmental Science
Integrated Science Studies
Secondary Education Biology

CALVIN
Careers and Callings

What can I do with this major?

What are alumni doing?

highlight student interns
Over 80% of last year’s Economics graduates worked in internships while at Calvin. Economics students interned at:

- Goldman Sachs
- The D.C. Mayor’s Office
- Partners Worldwide
- State Farm Insurance
- Van Wyk Risk and Financial Management
- Dematic
- Baxter Community Center
- The Independent Institute
- Agility Health
- Lake Michigan Credit Union
- PEERS Foundation

... and more.

ECON students gain valuable transferable skills, such as analytical thinking and problem solving, that are useful in a wide variety of career fields.

Economics Opens A World Of Possibilities

An ECON double major/minor enhances your career options:

- ECON + International Development
- ECON + Political Science
- ECON + Pre-Law
- ECON + Sociology
- ECON + Business
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- Agility Health
- Lake Michigan Credit Union
- PEERS Foundation
... and more.

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- ECON + Political Science
- ECON + Pre-Law
- ECON + Sociology
- ECON + Business

ECON students gain valuable transferable skills, such as analytical thinking and problem solving, that are useful in a wide variety of career fields.
What are Calvin Biology Alumni Doing Now?

Pediatrician & Bioethicist

Doug Olszewski, MD, 1981
Doug Olszewski is a pediatrician in Jenison, Michigan. He is an associate professor of pediatrics at Michigan State University and specializes in neonatology and pediatrics at McLaren Health Care. He is also the co-founder of the Preventive Care Network, which focuses on improving health outcomes for children and families through evidence-based interventions. In his free time, Doug enjoys spending time with his family, hiking, and working on his small farm.

Zoology & Ecology Graduate Students

Steve and Sarah (Betzold) Reek, 2008
Steve and Sarah Reek are both zoology and ecology graduate students at Calvin College. Steve focuses on the behavior of insects, while Sarah studies the ecology of birds. They both enjoy spending time outdoors and exploring the natural world. In their free time, they enjoy spending time with their families and friends.

Community Development Director

Rebecca Vander Molen, 2005
Rebecca Vander Molen is a community development director for a small town in Michigan. She received her degree in zoology and ecology from Calvin College and has been working in community development for many years. Rebecca is passionate about creating positive change in her community and is always looking for new ways to make a difference.

Missionary

Lori Demers, 1997
Lori Demers is a missionary in a remote village in Asia. She received her degree in zoology and ecology from Calvin College and has been working as a missionary for many years. Lori is passionate about sharing the love of Jesus with those around her and is always looking for new ways to make a difference in the lives of others.

Exercise Physiology Graduate Student

Tim VanZytveld, 2004
Tim VanZytveld is an exercise physiology graduate student at Calvin College. He enjoys spending time outdoors and exploring the natural world. In his free time, he enjoys hiking, kayaking, and spending time with his family and friends.

Teachers

Grant and Wendy (Rasmussen) Pedrotti, 2004, 2005
Grant and Wendy Pedrotti are both teachers at a small private school in Michigan. They received their degrees in zoology and ecology from Calvin College and have been teaching for many years. They enjoy spending time with their families and friends and are passionate about sharing their love of science with their students.

Stewardship Director

Dave Timmer, 1989
Dave Timmer is the stewardship director for a large Christian organization. He received his degree in zoology and ecology from Calvin College and has been working in the field of conservation for many years. Dave is passionate about protecting the natural world and is always looking for new ways to make a difference.

Biology Faculty

Sinday Waddell, 2002
Sinday Waddell is an associate professor of biology at Calvin College. She received her degree in zoology and ecology from Calvin College and has been teaching for many years. Sinday is passionate about sharing her love of science with her students and is always looking for new ways to make a difference.

Physician Assistant Student

Scott Zaffaras, 2011
Scott Zaffaras is a physician assistant student at a local university. He received his degree in zoology and ecology from Calvin College and has been working in the field of medicine for many years. Scott is passionate about helping others and is always looking for new ways to make a difference in the lives of his patients.
Professor Alonso: I chose economics because Economics is a social science that explores human aspirations, limitations, functioning, and interactions with other individuals and institutions. Social justice is integral to understanding the causes and outcomes of economic policies and interventions. I see economic indicators to give voice to the victims of fallen practices; the poor, wars, and marginalized minorities.

Professor Heiny: I chose economics to help make the world more efficient, just, and sustainable. Questions I ask include: can cities most effectively support high living standards and a healthy ecological footprint? How can a business or industry evaluate if their salary scales are just? How can citizens ensure that the most effective policies to reduce carbon emissions are utilized?

Professor Van Der Heide: I chose economics because I was fascinated with the topic covered in a high school economics class. I majored in economics and switched my plan from law school to economics grad school because I thoroughly enjoyed the relevance and applications of analytical work in my upper level (field) economics courses.

Professor Vander Linden: I really like mathematics and statistical analysis and I was moved and concerned about social and economic injustices that people experience. Economics provides facts and theories to help analyze, understand and improve the life circumstances of God's children — because of this, studying economics continues to be relevant and exciting.

Professor Schuler: I became an economics major because I wanted to solve all of the world's problems — starting with international poverty, then homelessness, and finishing up with access to education. I found that economics gave my compassion some traction in the world. I was not naturally quick at the math, but when you run with the analysis the math eventually follows along.

Professor Holsbergen: After my sophomore year in college I spent a year in Guatemala, where I witnessed life-saving poverty. As a Christian, I wondered why people were poor and what could be done about it. I discovered economics probably had much to say about this, so that's what I studied. I wasn't disappointed.
Events

upcoming events

guest speakers

social gatherings

recent news in the field
Our Mission

The mission of the office of pre-college programs is to improve access to, and success in, post-secondary education for underrepresented students in higher education through college exposure and preparation programs.

Goals

- Increased post-secondary enrollment of students
- Increased student retention of Cabin
- Sustained college-community partnerships for achieving college access goals

Programs

Aspirando Alto (9th - 10th graders)

Entrada Scholars Program (11th - 12th graders)

Excel ACT Tutoring & Mentoring (10th - 12th graders)

MLK Young Leaders Weekend (9th - 12th graders)

Striving Toward Educational Possibilities (STEP) (7th - 10th graders)

Summer Camps (Ages 6 - 18)

Chemistry Camp
Music Camps
Nature Camps
Sports Camps
Theatre Camps

QR codes are used to direct students to websites using their smart phones
Focus on Students

Show students in action.

Recognize student achievement.
International Development Studies

IDS Majors

IDS Minors

Senior IDS Majors ’15

Senior IDS Minors ’15
Chemistry and Biochemistry Majors 2014-2015

Chemistry Majors

Biochemistry Majors

Announcements
Research in Hoffmaster State Park is generating new knowledge about the dunes.

Each fall since 2011, Calvin College students have been coming to Hoffmaster State Park to learn research methods and collect data. Teams of students investigate interesting questions about dunes at a variety of West Michigan dune locations, including Hoffmaster Park sites. Research topics include dune processes, rare species, human impact, and the effectiveness of dune management.

Are there relationships between unmanaged trails and blowouts? GPS mapping was used in research to record locations and characteristics of unmanaged trails and blowouts on the Hoffmaster dune ridge.

Results show a network of unplanned trails were created by people trampling dune vegetation.

The number of trails increases near planned trails and parking lots. Most blowouts contain at least one unmanaged trail, suggesting that trails may affect the presence or activity of blowouts.

What effects do autumn storms have on foredunes? Two research projects used wind instruments and erosion pins to study how autumn storms affected a Hoffmaster foredune.

Results show that strong storm winds can move large amounts of sand onto the foredune. In 2012, Superstorm Sandy left 8-cm (3-inch) sand deposits over the dune vegetation. But other storms, with precipitation or waves covering the beach, moved less sand onto the dune, even though wind speeds were higher than Superstorm Sandy.

Dune research engages students in the activities of scientists.

Since 2011, 71 Calvin College students have worked on 15 research projects on Muskegon and Ottawa County dunes, including four Hoffmaster projects.

The students were participating in the course First-Year Research in Earth Sciences (FYRES):

• first-year students taking a course in which they learn science by doing research on Lake Michigan coastal dunes
• upper-level students who mentor the first-year students in their research
• a professor with 13+ years of dune research experience in Hoffmaster State Park
Communication Arts and Sciences

Scholarships & Recipients

Calvin Media Scholarship

Erwina Boeve Scholarship for Theatre Arts

Phyllis Den Braber Van Andel CAS Scholarship

Media & Christianity Scholarship

This scholarship was established in memory of our daughter, who lived to impact students in her short time in the College. The awardee will give to students who desire to focus on a specific area of interest, such as film, television, or radio. The awardee will provide financial assistance to students pursuing a major in film studies, media studies, or media production.

Gospel Communications International/Billy Zeoli Scholarship in Christian Media & Communication

Bob & Carol Buist Family Scholarship

CAS Department Mentoring Scholarship

This scholarship was established in memory of our daughter, who lived to impact students in her short time in the College. The awardee will provide financial assistance to students pursuing a major in film studies, media studies, or media production.

Ann Janssen Notebook Scholarship

The Gospel Communications International/Quentin J. Schieffelin Scholarship in Faith & Communication

David J. Holquist Scholarship

Triemstra Media Scholarship

Grace Dykstra Velienga Scholarship

This scholarship was established to support students majoring in communications and those pursuing careers in the field of media and communication. The awardees will provide financial assistance to students pursuing a major in film studies, media studies, or media production.

CAS 101 Oral Rhetoric Contest

Welcome to the CAS 101 oral rhetoric contest! This competition is designed to help students develop their public speaking skills. The competition is open to all students enrolled in CAS 101, and participants will be judged on their ability to deliver a well-organized and persuasive speech. The competition will take place on [date] in the [location].

Fall 2013

1st Place

Anna Lindemans

2nd Place

Brad Koe

3rd Place

Nathan Benning

Spring 2014

1st Place

Ericka Driesen

2nd Place

Jennifer Lapine

3rd Place

Andrew Jones