

Summer 2011



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The Director's Corner

Dear Students:

It has been a lovely summer in Bozeman! We have enjoyed the quietude to reflect on the past year, while looking forward to the new academic year with renewed energy and anticipation. Last year was a tremendous year for MSU and the University Honors Program. In November, we learned that Katy Hansen was named a Rhodes scholar. In addition, we had another Rhodes national finalist, Michael Spencer, two Goldwater scholars, Casey Donovan and Daniel Barta; two Goldwater Honorable mentions, Nathan Carroll and David Stevens; as well as three National Science Foundation Fellows, Kate Morrissey, Nicole Schonenbach and Chandra Macauley. But wait, there is more: Two Truman National Finalists, Elizabeth Flesch and Shelby Rogala; and three Fulbright Scholars, including Honors students Sasha Dingle and Honors graduate Ivie English. Recently we learned that Esteban Ferrero was awarded the Phi Kappa Phi Graduate Fellowship and a NCAA scholarship as well! This is indeed "an embarrassment of riches". Congratulations to one and all!

We have to remember, that this is the proverbial tip of the iceberg. Everyday, Honors students enter classrooms ready to work hard and to excel, while dedicating significant amounts of time in their demanding schedules to lead and to serve in a myriad of ways. From Eagle Mount to Habitat for Humanity, Tias y Tios, Engineers without Borders, Sustained Dialogues, NECO, ASMSU, The Exponent and more: our students are *there*. I am deeply inspired by your willingness to excel academically, *and* to contribute and selflessly serve others. You are indeed the manifestation of the empathetic generation and give us hope.

As I write to you, our new home, Quad F, is being prepared for our imminent move in a few weeks. We look forward to our new space, complete with contiguous office space, seminar rooms and designated Honors Forum space. It is a dream come true, and would not have happened without your voices of support. A special thank you to all the members of the Honors Student Forum, particularly Joseph Thiel, Mariah Lord, Nathan Carroll, Eric Dietrich and Shelby Rogala, as well as Blake Bjornson, and alums Katy Hansen, Katie Baldwin and Michael Spencer, for your support and leadership with this undertaking. Ultimately, we have to thank President Cruzado for her enthusiastic support. Please mark you calendars: we will have a pizza lunch with the president on December 6th, 2011!

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This year, we will offer ten Honors seminars and three Great Expeditions trips!

We are very excited about new Honors Course offerings in Biology, Engineering and Earth Sciences. We are here to support you, and to indeed open doors for you.

Please do not hesitate to stop by our offices for a quick hello, or if we could assist you in any way.

Hitch your wagon to a star- Emerson

Warmly,



AmeriCorps

The MSU Office for Community Involvement (OCI) is pleased to offer part-time AmeriCorps positions for current MSU students. **This is of particular interest to Honors students, who routinely serve the university and the Bozeman community in numerous ways.** By documenting your hours spent in service to the community, you can be a part of a growing national service movement.

The mission of the OCI is to encourage and support the development of a sense of civic responsibility among MSU students through meaningful service while addressing identified community needs. AmeriCorps opportunities can be fulfilled by students who are performing service as part of a course, as an extra-curricular activity, or even in a work-study position with a community-based non-profit organization. You may piece together your service at multiple sites or choose to serve all of the hours with a single non-profit or school organization. Participants, who wish to make a commitment in service hours, will receive an education award from the federal trust upon completion of the committed service hours. These funds may be used to pay current or future tuition, or to reduce qualified student loans. Recipients of an education award have up to 7 years to use the funds. Thus partnership in this program could potentially defray the cost of graduate school, or be a mechanism to repay your undergraduate student loans.

You are encouraged to consider becoming a part of the MSU family of AmeriCorps members.



If you would like more information or have questions, please contact Julie Rodenberg at 994-7475 or email julie.rodenberg@montana.edu



New This Fall for Honors Students: Honors Earth System Science

Earth System Science is the science that studies the whole planet as a system of innumerable interacting parts and focuses on the changes among those parts: the ocean, atmosphere, continents, lakes and rivers, soils and plants and animals. **This is a new approach to the study of the Earth and a new science!**

ERTH 201-01 Inquiry Natural Science Core 4 credits

Lecture: MWF 3:10-4 GH 43

Labs: **ERTH 201-02** Tue 10-11:50 GH 145

ERTH 201-03 Thur 9-10:50 GH 145

ERTH 201-04 Fri 12-1:50 GH 145



Major Scholarship Opportunities - Fall Applications

Marshall Scholarship: Open to American **undergraduate and graduate** students with a cumulative GPA of 3.7+; must be U.S. citizens and graduate of a four-year university in the U.S. by the start of the scholarship tenure. The scholarship includes travel expenses, tuition and expenses at a university in the United Kingdom for two years. Up to 40 are awarded annually with eight of these Marshall Scholarships will be for **one year only**. **Deadline:** Internal submission*: September 2, 2011. MSU nomination required. (Projected external submission, September 30, 2011) www.marshallscholarship.org

George J. Mitchell Scholarship: Open to Americans for one year of post-graduate study at institutions of higher learning in Ireland and Northern Ireland. There are no restrictions as to academic field of study. The award covers tuition, housing, a stipend for living expenses, plus travel expenses to and from Ireland, and a stipend for European travel. 12 scholarships are awarded annually. **Deadline:** Internal submission*, September 2, 2011. Projected external submission: October 4, 2011. MSU nomination required. <http://www.us-irelandalliance.org/wmspage.cfm?parm1=2>

Rhodes Scholarship: Applicants must be U.S. citizens, be between 18-23 years old on October 1 in the year of application and be the recipient of a bachelor's degree before October 1, 2011. The scholarship pays all tuition and fees at an Oxford University College for two years, plus living and travel stipends. 32 scholarships are awarded annually. **Deadline:** Internal submission*: September 2, 2011; Projected external submission: October 3, 2011. MSU nomination required. www.rhodesscholar.org

Gates-Cambridge Scholarship: Applicants may be citizens of any country outside the United Kingdom. Approximately 100 Scholarships are awarded annually and are for tenure of one to three years of graduate study at Cambridge University. In some cases, it is possible to pursue a second undergraduate degree. Award provides full tuition, living allowance, and travel stipend for arrival/departure for studies at Cambridge. **Deadline:** Projected external submission: October 14, 2011 for U.S. citizens; December 1, 2011 for non-U.S. citizens. MSU nomination not required. <http://www.gatesscholar.org/>

Jack Kent Cooke Graduate Arts Award enables students or recent alumni with exceptional artistic or creative promise and significant financial need to pursue up to three years of study at an accredited graduate institution in the US or abroad. 10 awards annually, which can be up to \$50,000 per year. MSU nomination required. Internal deadline: January 15, 2012, external deadline: Mid-February 2012.

Harry S. Truman Scholarship-open to full-time **junior-level** students. Junior here means a student who expects to receive a baccalaureate degree between December 2011 and August 2012. Candidates must intend to pursue a career in public service. Truman Scholars are eligible to receive up to \$30,000 in funding to pursue advanced studies. Scholars also receive priority admission to premier graduate or professional schools, internship opportunities with federal agencies. 60-65 are awarded annually. 2012 forms available on-line, August 2011. **Deadlines:** Internal submission*: December 16, 2011; External submission: February 7, 2012. MSU nomination required. www.truman.gov

Barry M. Goldwater Math and Science Scholarship - open to **sophomores and juniors** (students with one or two years remaining until graduation) who have demonstrated potential, manifested research interests who intend to pursue research careers in mathematics, the natural sciences, engineering, or computer science. Applicants must have a minimum GPA of 3.8+ and have had published articles or articles in progress. Awardees are eligible to receive up to \$7,500/year for undergraduate tuition, fees, books, and room and board. **Deadlines:** Internal submission*: November 7, 2011; Projected External submission: January 28, 2012. MSU nomination required. www.act.org/goldwater

Udall Scholarship - open to **sophomores or juniors**. 80 Awards are offered to two groups of students: those who demonstrate a commitment to pursue a career in environmental public policy and/or outstanding Native American and Alaska Native students who intend to pursue a career related to health care or tribal public policy. The scholarship covers tuition, fees, books, and room and board, up to a maximum of \$5,000 for one year. **Deadlines:** Internal submission*: February 1, 2012; Projected External submission: March 1, 2012 (projected deadline). MSU nomination required. www.udall.gov

*MSU internal submission dates are for nomination review. Please submit all requisite materials to the University Honors Program Office in Quad F.

Other Scholarships/Awards of Potential Interest: Check individual websites for details and eligibility requirements.

Boren Scholarships www.borenawards.org/boren_scholarship **Boren Fellowships**http://www.borenawards.org/boren_fellowship **Fulbright** www.us.fulbrightonline.org **Benjamin A. Gilman** www.iie.org/gilman **DHS** (Dept. of Homeland Security) www.orau.gov/dhsed **Jacob K. Javits** www.ed.gov/programs/jacobjavits **Pearson Prize for Higher Education** <http://www.pearsonfoundation.org/pearsonprize/> **Rotary Foundation Ambassadorial Scholarships** www.rotary.org/en/StudentsAndYouth/EducationalPrograms/AmbassadorialScholarships **USA TODAY All-USA Academic Team** www.allstars.usatoday.com **Elie Wiesel Foundation for Humanity** <http://www.eliewiesel.org/prizeinethics.aspx> **NSF** www.fastlane.nsf.gov/grfp **James Madison** www.jamesmadison.com **Phi Kappa Phi** Phi Kappa Phi members only

Aron Ralston, September 7, 2011, 7:30pm

Between a Rock and a Hard Place



In 2003 Aron Ralston's story made headlines worldwide. After being pinned by a half-ton boulder for nearly a week in a remote three-foot-wide slot canyon in southern Utah, Ralston narrowly escaped death by severing his right forearm with a dull pocketknife. After applying a tourniquet, he hiked and rappelled for five hours through Blue John Canyon before searchers miraculously rescued him. Ralston documented the life-altering experience and his remarkable will to survive in his New York Times best-selling book, *Between a Rock and a Hard Place*. His story has been adapted into a movie by Oscar-winning director Danny Boyle. The film, *127 Hours*, was nominated for the Academy Awards' Best Picture. Ralston graduated as Carnegie Mellon University's top student in mechanical engineering in 1997, with Phi Beta Kappa honors for a second degree in French. He left his job as a mechanical engineer with Intel in 2002 to follow his passion for outdoor adventures in Colorado. Aided by radical prosthetic devices that he helped design, Ralston has expanded his adventures to the world's great peaks, deserts and rivers.

In preparation for joining the Montana State University community, all incoming students are to read Aron Ralston's *Between a Rock and a Hard Place*. Parents are also encouraged to read the book. This inspiring story has been selected by MSU faculty and staff as having value for all college-bound students in any area of study. We will read this book over the summer and look forward to hearing your thoughts about it when you join us in August. *Between a Rock and a Hard Place* is available in bookstores nationwide and through many online retailers.

He is the only person to have solo climbed all 59 of Colorado's 14,000-foot-high mountains in winter and the only person with a disability to have skied from the summit of Denali, North America's tallest mountain.



The MSU Leadership Institute, Office of the President, Montana Humanities Institute and others are pleased to announce that renowned author and activist Maya Angelou will be presenting a lecture on September 13th, 2011 in the MSU Brick Breeden Field House. She will be presented with the MSU Presidential Medal for Global and Visionary Leadership. An extraordinary Renaissance woman, Dr. Angelou is one of America's greatest voices of contemporary black literature, in addition to being a celebrated poet, memoirist, educator, historian, filmmaker, and civil rights activist. This year she was one of fifteen civilians awarded the United States Presidential Medal of Freedom.

Her website: <http://mayaangelou.com/>



This May, President Cruzado hosted a reception in honor of all the major scholarship winners and national finalists, with their advisors and recommenders.

Back row, left to right: Griffin Stevens, Pearson Fellowship; Daniel Cornish, Fulbright Scholarship to Turkey; Casey Donovan, Goldwater Scholar; Daniel Barta, Goldwater Scholar; David Stevens, Goldwater Honorable Mention; Katy Hansen, Rhodes Scholar; Dr. Ilse-Mari Lee, Director, UHP; Nathan Carroll, Goldwater Honorable Mention

Front row, left to right: Elizabeth Flesch, Truman National Finalist; Nicole Schonenbach, NSF Fellowship; Kate Morrissey, NSF Fellowship; Chandra Macauley, NSF Fellowship; President Waded Cruzado; Jayme Kreitinger, Fulbright Scholarship to Jordan; Shelby Rogala, Truman National Fellowship; Sasha Dingle, Fulbright Scholarship to Vietnam.

A math whiz from Kremlin and a long-time dinosaur lover from Helena are the latest Montana State University students to win the prestigious Goldwater Scholarship. Donovan and Barta have more in common than their friendship, Honors students, Montana roots, Presidential Scholarships and service as vice presidents of the Phi Kappa Phi honor society at MSU. They had just won MSU's 52nd and 53rd Goldwater Scholarships, keeping MSU one of the nation's top institutions for total Goldwater recipients. Princeton University received four Goldwaters this year, Harvard University received three, and Duke University received one. This is the third year in a row that MSU has had two winners. The scholarship is the nation's premier scholarship for undergraduates studying math, natural sciences and engineering since the Goldwater Foundation was established in 1986. The scholarship gives each recipient up to \$7,500 a year for tuition, fees, books, and room and board.



Daniel Barta and Casey Donovan

MSU Study Abroad Programs

Studying Abroad is one of the most exciting and fulfilling parts of a university education – just ask anyone who has done it. In today's world, it is much more than that. Global trends have pulled countries and continents together, with the result that study abroad experience is increasingly important to success in almost any career.

As an MSU student you can choose from over 250 universities in more than 50 countries. You can study during the summer, a semester, or stay for the whole year. Whether your major is agriculture, business, engineering, or any other subject, studying abroad will help you to succeed in your career. In many cases, it will cost little or no more to study abroad than to continue your studies on campus. MSU guarantees full academic credit for all of its programs and thus you will maintain regular progress toward your degree.

Let us help you plan ahead to find the most beneficial program for you. Come visit us at the International Opportunities Resource Center

Office of International Programs, Amy K. Johnson, Study Abroad Advisor

400 Culbertson Hall - 406- 994-7151

Monday – Friday 8:00am-12:00pm & 1:00pm-5:00pm

Montana.edu/international

Great Expeditions 2012*

Ireland: The Intersection of History, Politics and Culture

UH 204 (3 Credits) Spend a semester preparing for a great expedition to Ireland, under the expert guidance of Professor Ann deOnis and distinguished guest speakers. You will leave for Ireland in May. The tour description: Beyond the patchwork pastures and bucolic landscapes, Ireland bears a rich and complex history. In Dublin, witness the legacy of saints, writers and the revolutionaries of the Irish War of Independence. Discover the trials of Irish emigrants as you board the reconstructed Dunbrody, a so-called "famine ship." Cross into Northern Ireland to reach Belfast, once the epicenter of religious strife in Ireland and now a city of rebirth. Estimated cost: \$2,600 (Includes airfare, hotel, museum admissions and breakfast and lunch daily)



Please attend Great Expeditions informational meetings for interested students on September 21st at 5:10 pm in room 105 in Quad F.

Great Expeditions 2012*

South Africa: The Rainbow Nation

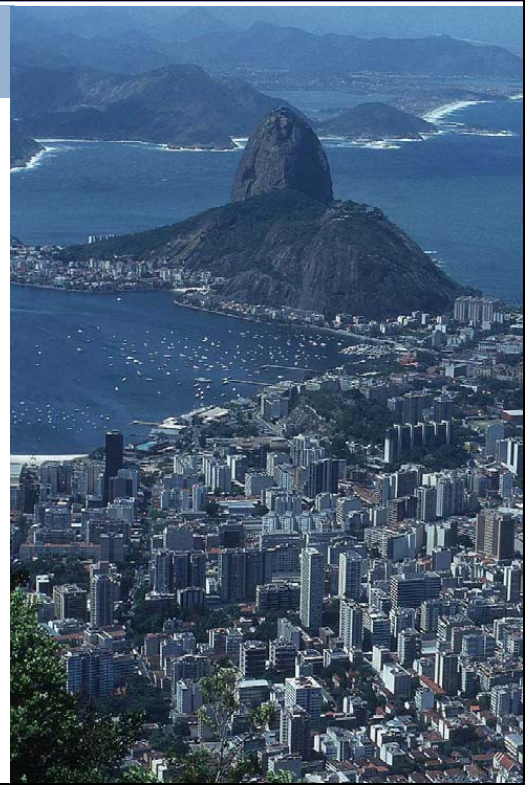
UH 204 (3 Credits) Dr. Ilse-Mari Lee

Explore the richness and remarkable history of South Africa with Dr. Lee, a native South African. Several guests will be invited to visit our classroom, including George Metcalfe, John Heminway, Trevor Douglas, Ian van Collier and more. We will visit Nelson Mandela's cell in Robben Island, as well as the Apartheid museum and the Gold Reef mine in Johannesburg. We will spend several days in Kruger National Park, as well as visiting the historic wine region in Stellenbosch. Wait until you see the southernmost tip of Africa from atop Table Mountain in Cape Town! We will travel to SA in May. Tour description: Experience a perfect blend of culture and wildlife on your journey to South Africa. Study South African politics and history at Nelson Mandela's former home in Johannesburg, visit a local tribe's village in Timbavati and enjoy game drives through Kruger National Park. Continue to discover the treasures of South Africa in Cape Town, from the summit of Table Mountain to the Cape Point Nature Reserve. Estimated cost: \$4,000 (Includes airfare, hotel, museum admissions and breakfast and lunch daily) *Remember that you can petition for a "cost of attendance increase" from Financial Aid to offset your cost, and may also apply for Undergraduate Scholar Funding to support a research project as part of this course.*

Great Expeditions 2012* Brazil Takes Off

UH 204 (3 credits) Dr. Brigitte Morris The objective of the course is to explore the diverse richness of Brazil, while studying the historical, cultural and economic evolution of Brazil. South America and Brazil in particular have shown positive changes nationally and internationally. Brazil has “taken off” (the title of an issue in *The Economist*) with its remarkable political, economical and demographical improvements during the 2 mandates of President Lula (2002-2010). *“Its economy is growing again at an annualized rate of 5%. It should pick up more speed over the next few years as big new deep-sea oilfields come on stream, and as Asian countries still hunger for food and minerals from Brazil’s vast and bountiful land. Forecasts vary, but sometime in the decade after 2014, Brazil is likely to become the world’s fifth-largest economy, overtaking Britain and France”.* Besides its exotic and musical attraction, Brazil has much to offer with its diversity, its political and economical models, and its undeniable expansion that has worldwide resonance. *“Unlike China it is a democracy; unlike India it has no insurgents, no ethnic and religious conflicts nor hostile neighbors. Unlike Russia, it exports more than oil and arms, and treats foreign investors with respect”.* (*The Economist*, 2009)

The estimated cost of the trip will be between \$2,500 and \$2,800, depending on airfare.



Fall 2010 Seminar offerings:

Mything the Point: - The Imagination of Science and the Science of Imagination

UH 400-01 (4 credits)

Prerequisite: UH 201 & UH 202 or UH 301

T/R 11am-12:50pm Quad F Rm 105

Instructor: Professor Michael Sexson

Description: Please see the Honors website.



Food Politics and Culture in the Media

UH 400IH-02 (4 credits)

Prerequisite: UH 201 & UH 202 or UH 301

T/R 8-9:50am Quad F Rm 105

Instructor: Professor Jaime Jelenchick

Description: Please see the Honors website



Utopia

UH 400IH-01 (4 credits)

Prerequisite: UH 201 & UH 202 or UH 301

Tuesday: 3:10-6:00 PM AJM 224

Instructor: Professor Robert Rydell and Faculty Guests

Description: Please see the Honors website for a complete description.



Ethics and Etiquette in a Digital Age

UH 400IS-01 (4 credits)

Prerequisite: UH 201 & UH 202 or UH 301

T/R: 3:10-5:00 PM Wilson Hall 1-153

Instructor: Dr. Richard Wolff

Description: Please see the Honors website.



The Art and Science of Medicine

UH 402RH or UH403RS(4 credits)

Prerequisite: UH 201 & UH 202 or UH 301

T/R: 7:10-9:00 PM Quad F Rm 105

Instructor: Professor Don Demetriades

Description: Please see the Honors website for a complete description.



All Honors upper level seminars are restricted entry with priority registration requirements

University Honors Program

Montana State University
Quad F Room 104
Bozeman MT 59717

Phone: 406.994.4110

Fax: 406.994.6747

E-mail: honors@montana.edu

www.montana.edu/honors

Campus Calendar of Events

August 24-26	Registration /Orientation
August 29	Classes Begin
September 5	Labor Day - no classes: offices closed
September 12	Last Day to Add Class
September 29	Last Day to Drop a Class without a Grade
October 14	Honors Musicale
November 11	Veteran's Day Holiday - no classes: offices closed
November 23-25	Thanksgiving Holiday
December 6	Lunch with President Cruzado
December 9	Last Day of Classes
December 12-16	Final Exam Week
December 16	Fall Semester Ends

Mentoring Gifted Students



Honors students, including freshmen, are encouraged to register for UH 210, "Mentoring Gifted Students". Through this vibrant program, you will have the opportunity to mentor gifted elementary, middle and high school students. You will meet weekly in a seminar setting with your fellow mentors and program directors. Together you will design, implement and evaluate projects. You will interact with the students assigned to you on a weekly basis, exploring innovative and creative ways of learning. A spring Expo is planned to showcase student led projects. To register, or for more information, please contact Aurene Sinnema, our Program Coordinator, at 994 - 4110

Mark your
calendars!



Provost Scholars:

Erik Anderson	Engineering	MT
Ingrid Bonner	Education/Architecture	MT
Madison Breiland	Biology	MT
Robert Chambless	Business	NC
Yasmin Chaudhry	Engineering	MT
Trevor Clayton	Chem Engineering	AK
Melissa Eder	Business	MT
Cassidy Fisher	Mech Engineering	OR
Severin Gilbert	Bioengineering	MT
Jaime Gilden	University Studies	MT
Erin Lucas	Pre-Vet	MT
Kelsey March	Biology	MT
Susan Massar	Spanish/PoliSci	MT
Jacob McDonald	Physics	MT
Analisa Skeen	Chemical Engineering	CA
Maria Zamora	Biochemistry	WA

Congratulations and welcome to our 2011 Presidential and Provost Scholars as well as all incoming freshman Honor Students!

Presidential Scholars:

Shaynee DeVito	Chemical Engineering	AK
Catherine Gilligan	CBNS	MT
Sean Hawksford	Engineering	WI
Wyatt Holmes	Mechanical Eng	MT
Courtney Honken	Bioengineering	MT
Hannah Johnson	Env Science	MO
Kara Johnson	Film/Math	MN
Adam Koziol	Biology	MT

Paul Krums	Env Engineering	OR
Jake Morison	Physics	MT
Aaron Reynolds	Engineering	MT
Joe Schadt	Film/Media	MT
Johanna Schultz	Biomedical Science	MT
Sydney Sherick	Psychology	WI
Jacob Shermer	Architecture	MN
Amber Stetson	Accounting	MT
Ashton Solecki	Bioengineering	MT
Madison Traucht	Biochemistry	MT
Mackenzie Weber	Biomedical Science	MT
Hannah Wilson	Sustainable Food	MT