



2010 JANUARY TERM ABROAD

Penguins, Icebergs and Tropical Jungles: Understanding Climate Change Across the Globe

January 3 - 24, 2010

Itinerary

Orientation at University of St. Thomas	11/21	Buenos Aires/La Fortuna	01/16
Twin Cities Departure	01/03	La Fortuna/Monteverde	01/18
Buenos Aires Arrival	01/04	Monteverde/Quepos	01/20
Buenos Aires/Ushuaia	01/06	Quepos/San Jose	01/23
Antarctica Cruise	01/06 – 01/14	San Jose/Twin Cities	01/24
Ushuaia/Buenos Aires	01/14		

T3601

Final Price: \$11,275*

Today, one of the biggest concerns worldwide is something called Climate Change. Some people think of it simply as Global Warming but an understanding of the science behind the effects can lead one to a deeper appreciation of this fragile world we live in and just how complex the issues really are. This course aims to study the environment of the Earth and what we call its climate. This is very different from the weather. We are not trying to make weather forecasters out of anybody.

The impact of global climate change is felt most acutely in the polar regions and in the tropics. The science is extraordinarily complex and while some scientists may agree on some aspects of it, many do not. So what are the right answers? Politicians have been more vocal than the scientists. We plan to get at the basics of climate and how it changes and maybe even make some predictions about the future. This is not a gloom and doom approach but a serious scientific investigation into our changing environment.

This course is first and most a laboratory science course with a scientific focus on the background, the causes and modeling of Climate Change. It will require active, on-site laboratory experiments. Students enrolled in this course will travel to both the Antarctic to see firsthand more ice and snow than you ever thought you could deal with. Then we'll enter the tropics where we can observe cloud forests, tropical jungles, coral reefs and how the climate interacts with and changes the Earth as well. We will keep accurate journals, chronicling our studies and we'll also be doing serious scientific experiments, measuring aspects of sea ice, glacier characteristics using a spectrometer and other electronic sensors connected to a laptop computer. This course will be every bit as challenging as any other lab based science course, but it will be held on site. It very well may be that there is no other course equivalent to this one anywhere.

Please see:

<http://www.stkate.edu/physics/UMAIE2010/index.htm> for more detailed itinerary information.

Comprehensive Fee Includes: Transportation and course arrangements as indicated, hotel accommodations in twin and triple rooms, cruise accommodations in twin berth outside cabins, group cancellation trip insurance, windbreaker, nineteen breakfasts, nine lunches and ten group dinners. (subject to change)

Prerequisites: An interest in and understanding of basic science and mathematics at a college algebra level.

Evaluation:

Attendance	10%
Daily academic journal	30%
Entries on Climate and observations, lab activities	30%
Final exam	30%

Grading: Letter grade.

• **We cannot guarantee that special dietary needs can always be accommodated. Students with such needs are encouraged to contact the Faculty Director with any questions prior to registering for the course.**

• **Due to the remote destination, medical facilities are not readily available. The cruise line will require participants to receive clearance from their physician to travel. Forms will be provided for the physician to complete.**

*Each home institution may have supplementary fees in addition to the price listed.

Terry Flower, Ph.D., St. Catherine University

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Dr. Flower is a physicist and practicing astronomer. His professional work has taken him to both hemispheres including New Zealand, Australia, Tahiti, Midway Island, Hawaii and even the Arctic and Antarctic. He has taught physics and astronomy at the St. Catherine University for more than 20 years and served as Distinguished Visiting Professor at the United States Air Force Academy. His research topics include comets, asteroids, supernovae and atmospheric phenomena. He has led UMAIE courses to New Zealand, Tahiti, Samoa and Tonga and directed several NSF Chautauqua Courses in Astronomy for college faculty.





UPPER MIDWEST ASSOCIATION FOR INTERCULTURAL EDUCATION

www.umaie.org

RULES AND PROCEDURES

Penguins, Icebergs and Tropical Jungles: Understanding Climate Change Across the Globe ANTARCTICA & COSTA RICA

For the forty-fifth consecutive year, UMAIE offers unique opportunities for cross-cultural study during January Term and starting in 2005, May/June Term. UMAIE, a consortium of five colleges and universities, cooperates to provide the educational depth and resources necessary for an intercultural curriculum.

This year UMAIE is offering a very special and unique once in a lifetime course to Antarctica and Costa Rica studying climate change.

APPLICATION AND REQUIRED DOCUMENTS — Applications and required documents are available via the UMAIE website (www.umaie.org). Applications are accepted now through **April 11, 2009**. When applying for a course, please submit the following to your campus UMAIE Board Member:

- Three copies of your completed application.
- One copy of your valid passport photo & signature page OR if you do not have a passport, a copy of your passport application. (Actual submittal of your passport application to a passport agency is not required until acceptance into a course. Please visit <http://travel.state.gov/passport>.)
- One copy of your January Term Abroad Agreement.
- One copy of your unofficial transcript.
- One deposit check in the amount of **\$600** made payable to **Seminars International, Inc.** (All checks will be cashed upon receipt. Returned checks will be assessed a service charge of **\$50**.)

***Please contact your study abroad office for additional local enrollment procedures.**

No application will be considered without **ALL** the required signed documents, copies and deposit as listed above. If you have any questions please contact your campus UMAIE Board Member.

SELECTION PROCESS FOR APPLICANTS — All applicants will be personally interviewed (either in person or by telephone) before being accepted for this course. It should be understood that this requirement is not to restrict applicants to any elite group, but rather to insure that applicants understand fully hardships they may endure, including sea sickness and expenses associated with the course. Students should understand that this course is first a rigorous lab based science course using the Earth as its experimental laboratory. While the destinations are not those of usual tourist travel, they are intimately connected to course goals and objectives. Faculty Directors will ensure that all prerequisites are met, and that equal access is given to students from all consortium schools.

For applications received by **April 11, 2009**, the UMAIE Secretariat will notify each participant via e-mail by **April 30, 2009**, to inform if applicant is: 1) accepted into the course; 2) on a waiting list; 3) not accepted into the course. Please be aware that if you are placed on a waiting list, your deposit check will still be cashed upon receipt. In the event a course is filled or cancelled due to low enrollment, students are contacted regarding a second choice. Students who choose not to transfer to another course will receive a full refund. **Due to the strict penalties charged by the cruise line, only space that we have deposits for will be guaranteed. Late applications will be immediately placed on a waitlist, and will only be enrolled should a cancellation occur.**

Because this course will involve travel to regions of the Earth where medical attention is not readily available, participants must be in good health. A medical doctor is available on the ship but at a cost that may not be covered by traditional medical insurance. (It is likely that your insurance would reimburse costs to some extent.) Once you are accepted into the course, a medical statement by your physician will be required for participants to travel. The physicians release forms can be found under this course description on the UMAIE website. **The cruise physicians forms must be filled out completely after October 10, 2009 and returned to your UMAIE Board Member no later than November 20, 2009.**

PASSPORTS, VISAS AND IMMUNIZATIONS — All applicants must send a copy of a valid and signed passport to their campus UMAIE Board

Member upon acceptance into a UMAIE course (if one was not turned in with application). This is not required for students travelling to Hawaii. **Passports must be valid at least six (6) months beyond your return date.** This course will **not** require a visa for U.S. citizens.

COMPREHENSIVE FEE — Costs listed are based on planned enrollments for each course. Every effort is made to operate the program at the stated price. However, if fewer students enroll, costs may be increased or the course cancelled. **NOTE: UMAIE reserves the right to adjust fees due to dollar devaluation, fuel surcharges and general inflation.**

The comprehensive fee includes: group trip cancellation insurance including \$250,000 for emergency medical evacuation; round-trip air transportation from Minneapolis-St. Paul to the course location; airport transfers; transportation to most course activities while abroad; lodging, primarily in twin or triple rooms/berths on board the ship and in hotels; breakfast, lunch and dinner while aboard the ship, continental breakfast daily for land portion (exceptions noted on individual course descriptions) and other meals as indicated; planned excursions; and administrative costs (however, individual institutions may assess additional charges).

EXCLUSIONS — Expenses and items not specifically mentioned herein are not covered, including but not limited to: passport fees; local subway, bus and tram fares (if not included in course price); optional entertainment and excursions; beverages; individual room service charges; porter's fees; laundry and cleaning; telephone and fax; personal gratuities; transportation to and from point of course departure. **Note: a credit card will be needed for onboard charges aboard the cruise ship.**

PAYMENT SCHEDULE

\$600 - due by April 11, 2009

\$4,000 - due by October 1, 2009

Appx. \$6,000-\$7,000 due by November 3, 2009

(based on final enrollment numbers)

WITHDRAWALS AND REFUNDS

- No cancellation fee for students withdrawing on or before **March 12, 2009**.
- A **\$600** cancellation fee is withheld for students who withdraw between **April 11 and October 1, 2009**.
- A **\$4000** cancellation fee is withheld for students who withdraw between **October 2 and November 3, 2009** (for cancellations not covered under group trip insurance).
- A refund for cancellations occurring after **November 3, 2009** is based upon recoverable costs. The **ENTIRE COURSE COST** may be forfeited (unless covered by group trip insurance).
- **If cancellation occurs 30 days or less prior to departure, there will be no refund (unless covered by group trip insurance).**
- **NOTICE OF CANCELLATION MUST BE SUBMITTED IN WRITING TO YOUR CAMPUS UMAIE BOARD MEMBER.**

TRAVEL ARRANGEMENTS — are secured by Seminars International, Inc., 33 West Monroe Street, Suite 1160, Chicago, IL 60603-5303, (800) 541-7506, TRAVEL@semint.com. Applications are processed by the Minnesota office, 21530 Vernon Avenue, Prior Lake, MN 55372, (952) 440-1338, kathy@semint.com. Participants desiring additional information may contact Seminars International Inc., or visit their website - www.semint.com.

ORIENTATION SESSION—Will be held **Saturday, November 21, 2009** at the University of St. Thomas. **ALL MUST ATTEND.**

DEVIATIONS — Due to the special nature of this course and pre-purchased group trip insurance, **NO DEVIATIONS** will be permitted.

Students from Augustana College and Elmhurst College will receive further information on course flights upon acceptance.

CAMPUS UMAIE BOARD MEMBERS

Augustana College, *Dianne Hammrich*, (605) 274-4042 • Elmhurst College, *Wally Lagerwey*, (630) 617-3604

Gustavus Adolphus College, *Center for International and Cultural Education*, (507) 933-7546

St. Catherine University (formerly College of St. Catherine), *Global Studies Office*, (651) 690-6031

University of St. Thomas, *International Education Office*, (651) 962-6450

UMAIE SECRETARIAT: *Kathy Willemsen*, (952) 440-1338, email: kathy@semint.com