

Department of Bioengineering  
2012 Study Abroad Opportunity  
Two Course Summer Program: Pamplona, Spain  
Spanish Culture and International Perspectives in Bioethics



# PAMPLONA, SPAIN

Summer Study Abroad  
May 21-June 22, 2012



**International Perspectives in Bioethics (BioE461)  
and Spanish Culture (IS210)**

**Clemson University Credit  
International Teachers  
Group Program**



Join Clemson Bioengineering on this exceptional study abroad opportunity for future engineers, scientists and health care professionals as we explore the fascinating topic of bioethics, and immerse ourselves in the culture and language of Spain. This 5 week program at the Pamplona Learning Spanish Institute will offer two courses. The first, International Perspectives in Bioethics, is taught by international leaders in bioethics, and is supplemented by tours of biomedical facilities near the historical city of Pamplona. The second course offers immersive language and cultural lectures on Spain and Spanish culture, combined with numerous tours and day trips to local and regional sites. Together with the programs' friendly home-stay accommodations, this study abroad opportunity promises a complete cultural experience for the future biomedical professional.

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<http://www.clemson.edu/ces/students/global/index.html>

# Clemson University Bioengineering in Spain

International Perspectives in Bioethics  
and Spanish Culture

May 21 - June 22, 2011

Clemson University Department of Bioengineering, in collaboration with the Pamplona Learning Spanish Institute, is pleased to offer its' established program to Pamplona, Spain for Summer 2012. While designed to meet the needs of Bioengineering students, the BioE-Pamplona program is suitable for any student interested in exploring the fascinating topics of international bioethics and Spanish culture. The program is composed of two required courses. The first is an IS210 (Cultural Communications) course taught by the Pamplona Learning Spanish Institute, to strengthen the students' Spanish language abilities and their appreciation of Spanish culture. The second course is a BioE461 (International Study in Bioengineering) course that explores the larger, world view of Bioethics. This Bioethics class has been collaboratively developed with Clemson University, Pamplona Learning Spanish Institute, and international bioethics experts. All courses will be taught by native Spanish speakers, but prior knowledge of the Spanish language is not required for either course.

Based in Pamplona, the Pamplona Learning Spanish Institute is located in the center of the city. Students will have easy access to public transport, museums, historic cathedrals and churches, and numerous parks. Pamplona is green city with an abundance of historical parks, extensive gardens, urban woodland and unique trees. It also is a vibrant industrial and academic city with numerous universities, entertainment venues and healthcare/biotech centers. Pamplona is most famous throughout the world for San Fermín, the Running of the Bulls, an event (July 7-14, 2012) dating back to medieval times when the bulls were driven through the streets to the square where they were to be fought. The festival of the bulls may be familiar to many through Ernest Hemingway's "The Sun Also Rises". The novel and film made famous the unique nature of this festival cultural event.

## ACCOMMODATIONS AND MEALS

Students will be placed in pairs in home-stays during the program. Students will have shared rooms and half board (breakfast and dinner) during weekdays, and full board (breakfast, lunch, dinner) on weekends. Host families are carefully selected by the Institute and are prepared to warmly welcome students into their homes and families.

## COURSE OFFERINGS

**BIOE461:** International Study in Bioengineering  
Special Topic: "International Perspectives in Bioethics"  
*3 credits, BioE lecture based technical elective (3,0)*

This course at the Pamplona Spanish Learning Institute will be led by Dr. Koldo Martínez Urionabarrenetxea, MD, Ph.D. Dr. Martínez is the current President of the Fundamental and Clinical Bioethics Association of Spain, and was President of the Health Care Ethics Committee in the Hospital de Navarra from 1998 to 2009. Prior significant knowledge of bioethical issues is not required, but all students are required to actively participate in classroom activities. Taught in English, regular classroom lecture and debate will be supplemented with regular weekly morning visits to local industry, medical and academic facilities. Topics can include ethical theory, genetics, stem cells, abortion, death, euthanasia, assisted suicide, social and preventative medicine, biotechnology, clinical and experimental research, and health care. This course will give the student a greater understanding of the impact that different international bioethical perspectives have in shaping biomedical and healthcare policy in the world, and enhance the student's ability to recognize contemporary and ethical issues in a global context.

**IS210:** Cultural Communications

Special Topic: "Spanish Language and Culture"

*3 credits, H&SS elective, Satisfies a Cross-Cultural Awareness (CCA) graduation requirement (3,0)*

This course will be provided by the teaching staff of Pamplona Learning Spanish Institute. In addition to the formal classroom instruction, group activities and excursions will be taken over the three week program to expand cultural, historical and geographic knowledge of Spain. The course objectives will be tailored to the initial level of the students and will focus on conversational language skills related to their daily life and cultural perspectives between U.S. and Hispanic cultures. No prior knowledge of Spanish is required, and the course is taught in English. Students will take a placement exam will be divided into groups according to their proficiency in Spanish.





### SITE VISITS AND TOURS

Students will participate in the following cultural and bioengineering site visits as part of the program:

#### Cultural

- Guided tour of Pamplona (Hemingway, Running of the Bulls, The Old City, and much more!)
- Tapas tour in Pamplona (visit 3 restaurants to sample exquisite tapas for which Pamplona is famous)
- Visit to a local winery, and the Interpretation Centre of St. Bartholemew's Fortress
- Visit to the Presidential Palace
- Visit to the Medieval Castle and Town of Olite
- Full day visit to the Guggenheim Museum in Bilbao and to the Hanging Bridge at Portugalete
- Full day visit and guided tour of San Sebastian

#### Bioengineering

- Visit and tour of the Centro de Investigación Médica Aplicada (CIMA) biotech research center
- Visit to Clínica Universidad de Navarra (Hospital)
- Visit to other local biotech research centers and bioengineering companies

### HOW TO APPLY

Students should first meet or email Dr. John DesJardins to discuss any questions. Then they should complete and submit a Study Abroad Application along with a \$250 (refundable) placement deposit for consideration of acceptance into the program. This application is available at <http://media.clemson.edu/ia/programs/Application-General.pdf>. Students will be notified via email of acceptance into the program. Students must meet financial deadlines to remain in the program. Scholarship information is available at [http://media.clemson.edu/ia/programs/sa\\_scholarship\\_app\\_2011.pdf](http://media.clemson.edu/ia/programs/sa_scholarship_app_2011.pdf).

### TENTATIVE PAYMENT SCHEDULE

Total Cost of Program: ~\$4,400.00

#### Payment Schedule

- Before February 15, 2012, Application Deposit \$250.00
- March 15, 2012, ½ Program Fee, ~\$725.00
- April 15, 2012, ½ Program Fee, ~\$725.00
- May 12, 2012, Tuition, ~\$2,700.00

A detailed cost and payment schedule will be distributed in mid-February, and questions can be addressed to Dr. John DesJardins or the Study Abroad Office. The program fee is billed from the Study Abroad Office, and tuition is payable to the Registrar. Travel insurance is included in the program fee, but an additional trip cancellation policy is always recommended.

Non-Clemson students are welcome to apply. South Carolina and non-South Carolina students pay the same in-state tuition.

### APPLICATION DEADLINES

The application deadline is February 15, 2012 (or until capacity limit), but interested persons should discuss their intent with Dr. John DesJardins before January 15, 2012 to insure the viability of the program. Late applications will be considered if space remains available. Program viability depends upon securing a minimum number of qualified applicants. Clemson University and the Pamplona Learning Spanish Institute reserve the right to modify the program, its listed activities or its costs, or to cancel the program if necessary.

### COST INCLUDES

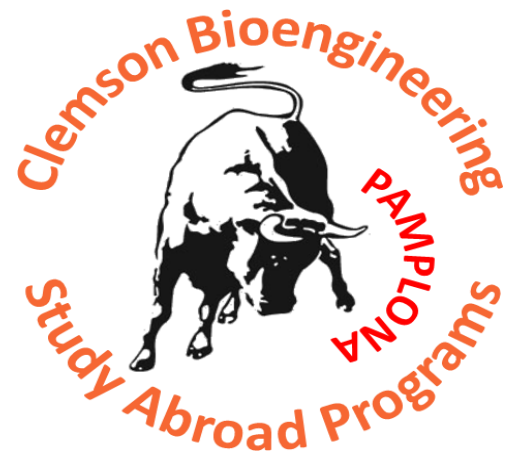
- Tuition for courses listed in brochure
- Home stay accommodations (double)
- Part board Monday-Friday (breakfast and dinner)
- Full board on weekends
- Farewell dinner
- International travel insurance
- All listed cultural site visits, transportation and tour admissions
- All listed bioengineering site visits and excursions
- International Student Insurance through the Clemson Study Abroad Office

### COSTS NOT INCLUDED

- Airfare
- Transportation to and from airport (U.S.)
- Transportation to and from airport (Spain)
- Weekday lunches
- Personal spending money
- Passport related costs
- Personal weekend travel expenses



Plaza de Castillo, Pamplona City Center



### CONTACT INFORMATION

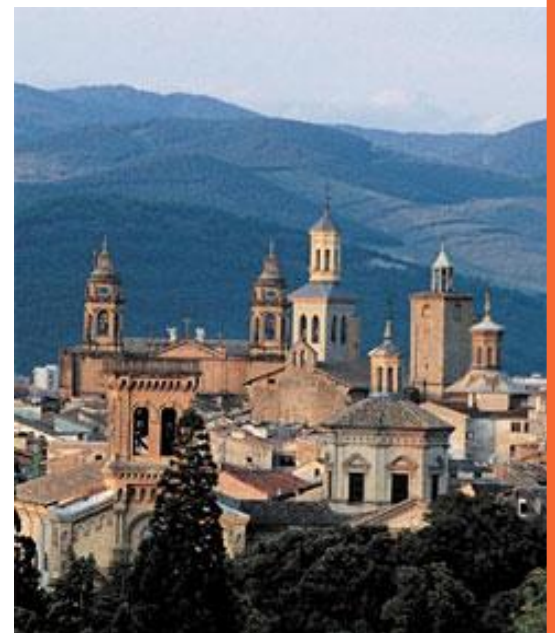
*For more information about the BioE-Pamplona program, course requirements, and other Bioengineering study abroad opportunities, please contact*

Dr. John D. DesJardins  
Clemson University  
Department of Bioengineering  
301 Rhodes Research Building  
Clemson, SC 29634

Office: 204 Rhodes Annex  
Office Phone: 864.656.4178, Fax: 864.656.4466  
email: [jdesjar@clemson.edu](mailto:jdesjar@clemson.edu)

*For general questions about study abroad, please contact:*

Teresa E. Wise, Ph.D.  
Office of International Affairs  
Clemson University  
E-307 Martin Hall  
Box 345714  
Clemson, SC 29634  
Phone: 864.656.2457  
Fax: 864.656.6468  
Email: [twise@clemson.edu](mailto:twise@clemson.edu)  
[www.clemson.edu/ia](http://www.clemson.edu/ia)



Spanish architecture welcoming the Pyrenees Mountains

