

	Date	Initials
Prepared by Instructor	May 1st, 2019	IMR
Approved by Head	May 3, 2019	AS

1.0 Calendar Information

ENGG 393 Advanced Topics II: History and Architecture in Andalusia

This course will cover the history and culture of Andalusia, and will focus specifically on the engineering aspects of the diverse architecture in the region.

Course Hours: H (3-2T)

Academic Credit: 3

Calendar Reference: <http://www.ucalgary.ca/pubs/calendar/current/engineering.html#10171>

2.0 LEARNING OUTCOMES

Andalusia is located in the extreme southwest of Europe, between the Atlantic Ocean and the Mediterranean Sea, and also serves as a gateway between Europe and Africa. Due to its geostrategic location, and the fact that it has rich mineral deposits and agricultural wealth, Andalusia has been the target of many civilizations since prehistoric times. The different groups, which include the Romans, northern European Visigoths, Islamic Moors from North Africa and the Middle East, Jews, Christians and French Bourbons, contributed to the local culture of present-day Andalusia. Their influence is seen in architecture ranging from the simple houses prevalent throughout the region to the Great Mosque of Córdoba and the Gran Teatro Falla in Cádiz. The learning outcome of this course is (1) for students to appreciate the local culture of Andalusia, and to understand historically relevant Andalusian architecture from an engineering perspective.

3.0 TIMETABLE

LECTURE SECTION	SESSION	DAYS OF THE WEEK	START TIME	DURATION (minutes)	LOCATION
L01	Spring	T	9.30	120	University of Malaga
		Th	9.30	120	University of Malaga

4.0 COURSE INSTRUCTORS

SECTION	NAME	TELEPHONE	OFFICE	EMAIL
L01	Isabel Moyano	34661136258		isabelmoyano@uma.es
L01*	Arin Sen	TBA	TBA	asen@ucalgary.ca

* Course coordinator

5.0 EXAMINATIONS

There will be a final examination in this course.

Final Exam (45% of final grade) will consist of multiple-choice questions, terminology definitions and exercises to identify and describe building elements or architectural styles/techniques/plans using the terms, concepts, ideas and vocabulary studied in class. The exam is scheduled for Thursday 30th May at 9:30 h.

6.0 USE OF CALCULATORS IN EXAMINATIONS

Calculators should not be necessary.

7.0 FINAL GRADE DETERMINATION

Your final grade will be determined based on the components shown in the table.

Component	Learning Outcomes Evaluated	Weight
Assignments	1	30%
Group Project	1	25%
Final Exam	1	45%

Note that these components will address the learning outcomes listed in section 2 of this course outline. It is not necessary to earn a passing grade on the final exam in order to pass the course as a whole. Conversion from a score out of 100% to a final letter grade will be done using a scale determined after the final examination has been marked. This allows for the creation of a scale appropriate to the relative difficulty of the term work and the final examination.

Letter Grade	Total Mark (T)
A+	$T \geq 94.00\%$
A	$88.00\% \leq T < 94.00\%$
A-	$82.70\% \leq T < 88.00\%$
B+	$78.10\% \leq T < 82.70\%$
B	$73.30\% \leq T < 78.10\%$
B-	$69.30\% \leq T < 73.30\%$
C+	$66.10\% \leq T < 69.30\%$
C	$62.10\% \leq T < 66.10\%$
C-	$58.90\% \leq T < 62.10\%$
D+	$55.40\% \leq T < 58.90\%$
D	$50.00\% \leq T < 55.40\%$
F	$T < 50.00\%$

8.0 TEXTBOOK

There is no required textbook for this course. Students are expected to take their own notes during the lectures and tutorials/labs. Any material discussed in lectures and tutorials will also be part of the exam. Exams will be based on course notes. However, students are encouraged to browse this reference ebook available in the University of Calgary's library:

PLATT PARMELE, M.(2009): *A Short History of Spain*, Project Gutenberg, produced by Alison Hadwin and the Online Distributed Proofreading Team at <http://www.pgdp.net>.

9.0 COURSE POLICIES

9.1 Advising Syllabus

All Schulich School of Engineering students and instructors have a responsibility to familiarize themselves with the policies described in the Schulich School of Engineering Advising Syllabus available at: <http://schulich.ucalgary.ca/undergraduate/advising>

9.2 Emergency Evacuation/Assembly Points

In the event of an alarm sounding, all classrooms and labs must be evacuated immediately. Please respond to alarms promptly by leaving the building by the closest available exit. Faculty and students must remain outside the building until the 'all clear' has been given by a Fire Marshall. In case of emergency, call 220-5333.

Assembly Points have been identified across campus. These areas have been selected as they are large enough to hold a significant number of people and will provide an evacuated population access to washroom facilities and protection from the elements. More information on assembly points can be found at <http://www.ucalgary.ca/emergencyplan/assemblypoints>

10.0 ADDITIONAL COURSE INFORMATION

The course syllabus, activities and documents will be made available via our distribution list or delivered in class.

Tutorials:

Potential Topics: The following is a list of potential topics that will be covered in this course.

PERIOD	TOPICS
Week 1	<p>Metalworking, Kingdom of "Tartessos", Phoenicians settle the Iberian peninsula and found Cádiz, Foundation of Hispalis (Seville), Greek settlements along the Andalusian coast. Carthaginian (Punic) settlements, The Punic Wars, Roman destruction of Hispalis, Foundation of Italica and the "Baetica" province, Roman emperors Trajan and Hadrian, Influence of the Christian religion.</p> <p><i>Field Trip:</i> Córdoba. The Mosque-Cathedral. Viana Palace.</p>
Week 2	<p>Foundation of the Visigothic Kingdom. Role of bishops Leander and Isidor in the conversion of the Visigoths to Catholicism. Conquest of Andalusia by Arab military troops. Rise and Decline of the Caliphate of Córdoba. Catholic and Arabic buildings in Andalusia. Architecture as a way to express faith and religious beliefs.</p> <p><i>Field Trip:</i> Granada. The Royal Chapel. The Cathedral.</p>
Week 3	<p>Conquest of Andalucía by Arab military troops, Rise and Decline of the Caliphate of Córdoba, Reign of the Almoravids and Almohads, Rise of the Castilians, The Nasrid Kingdom in Granada. The Alcazar, Giralda and Golden Tower in Seville.</p> <p><i>Field Trip:</i> Gibraltar. Seville. Real Alcázar. Cathedral. M^a Luisa Park.</p>
Week 4	<p>Spanish War of Succession, conversion of Gibraltar to British rule, Wars against Napoleon and for the Spanish Throne, the First and the Second Spanish Republics, Civil War, Franco's dictatorship, Spain's peaceful transition to democracy, the Modernization of Spain, Spain in the European Union</p>

At the end of each unit, a glossary or a presentation containing the main architectural elements / contributions of each civilization, and some factsheets containing information about the main buildings and monuments to be studied during the field trips, will be handed out.

Field trip worksheets: Simple questions will be asked related to the historical sites visited: timeline, height, location, and duration/stages of the building process. Students may be asked to draw some architectural elements and explain their function, or to complete blank models/plans related to the subject's contents. For some worksheets, students will have to work in groups while others should be completed individually. Fieldwork is an essential exercise for this course, as it will include, and study in detail, practical information which could be asked during an examination.

In addition to an examination, students will have four graded components in the course:

1. **Group project** (25% of final grade): Students will work in groups of 5 people maximum. They will be asked to research information, create visual input and give a short presentation on one of the suggested research topics followed by a debate/group activity. Online resources and bibliography will be indicated in the course's syllabus.

****Students should include a practical dimension in their work that can be called an *Impact* study, or create a model explaining how the studied elements or concepts could be applied to modern architecture or engineering****

2. **Assignment 1** (10% of final grade): Students are responsible for submitting the field trip worksheets that have been completed individually. Collectively, these worksheets will constitute Assignment 1. The due dates for submitting these worksheets will be announced in class.
3. **Assignment 2** (10% of final grade): Students will be given a series of individual tasks that need to be completed and submitted. These tasks include filling in blank maps, brainstorming, quizzes, and assessing true or false statements. Students will also be expected to identify pictures of Andalusian and non-Andalusian historical buildings. These tasks will enable an assessment of student knowledge of Spanish culture and history gained through this course. Collectively, these tasks will constitute Assignment 2. The due dates for completing and/or submitting these tasks will be announced in class.
4. **Assignment 3** (10% of final grade): students will be expected to write and submit a 1500 word essay on a research topic suggested by the lecturer (please check the syllabus), or a related topic previously discussed with the lecturer. The due date for this assignment is Wednesday, May 31. Students are also encouraged to complete and deliver the worksheets that were provided before every trip. You can choose to write your essay about a specific aspect of the topic covered in your group project (i.e. if your group project is about The Alhambra, you can choose to submit your individual essay about one of the palaces inside the historical site, or about a certain architectural element such as the domes, the different types of arches, the courtyards and the fountains, the ornamental plasterwork, etc.). Your essay can include your own drawings, maps, photos, conclusions, and comparisons with other buildings of the same/different style visited during your study-abroad program.

Note that group presentations and debates/quizzes will be held every Thursday in class. They will cover at least 25% of the lesson time. Feedback will be provided during lessons and via email. Students can also contact the instructor by email for any questions relevant to the subject.