



in cooperation with



GEN300 Global Engineering Leadership

Course Description

Aims to help provide engineers with the business leadership skills they need to advance their careers in enterprise management, being exposed to the latest business trends and thinking from experts in US and Europe. It focuses on the basic principles and practice of leadership in engineering environments. The modules focus on the principles and practice of leadership and management in private, public and not-for-profit engineering organizations. Topics include leadership, management, organizational behavior, entrepreneurship, ethics, innovation, communication, collaboration and competition, and conflict resolution. The course includes team-based projects in which the students have an opportunity to reflect upon and apply what they are learning.

Prerequisites: None

Credits: 3 term hours

Hellenic American University fully complies with federal requirements relating to Title IV program participation vis-a-vis the award of academic credit. The basic unit of credit at Hellenic American University is the semester hour. In a typical 15-week semester, each credit awarded corresponds to one contact hour of classroom instruction per week, which is supplemented by a minimum of two hours of appropriate out-of-class activities of appropriate academic rigor. At least an equivalent amount of work is required for other academic activities established by the institution, including E-learning courses, laboratory work, internships, practica, studio work, directed studies, independent studies and other academic work leading to the award of credit hours.

Course Objectives

This course will:

- Understand basic concepts of leadership and enterprise management in engineering
- Application of leadership skills in enterprise management
- Understand and analyze the management requirements in engineering environments
- Apply organizational behavior and entrepreneur ideas in engineering environments

Learning Outcomes

Upon completion of this course, students should be able to:

- To enable students understand the concept of leadership
- To provide students the capability to apply leadership skills in enterprise management
- To help students analyze the management requirements in engineering environments

Course Information

Class Times

MWF 10.00-15.00

Class

**Room (number), Massalias
22
(#) Floor**

Credits

3

Instructor

George Bravos, Evangelia
Siachou

Email

gbravos@hauniv.edu,
esiachou@hauniv.edu

Telephone

+302103680968

Office Hours

Monday 15.00-16.00

- To enable students apply organizational behavior and entrepreneur ideas in engineering environments

Course Requirements

In order to successfully complete the course, the student must:

- Attend class regularly (see attendance policy)
- Read the assigned material
- Complete written assignments that demonstrate basic critical and research skills
- Satisfactorily complete the quizzes, midterm and final exams

Course Textbook

Required:

“Leadership for Engineers: The Magic of Mindset (Basic Engineering Series and Tools) 1st Edition”
 Ronald Bennett & Elaine Millam, McGraw-Hill Education, 2012.

Supplemental Reading:

“The Leadership Challenge”, 4th Edition. Kouzes, J.M. and Barry Z. Posner. Jossey-Bass Publishers; August 2008.

Additional supplemental materials will also be available electronically through **Blackboard Learning System** at <http://e-learning.hauniv.us> OR handed out in class.

Additional Resources:

Blackboard Learning System <http://e-learning.hauniv.us>

Hellenic American University uses Blackboard Learning System e-learning platform for all its Undergraduate (and Graduate Program) courses. The Blackboard e-learning platform is a virtual course environment with a complete set of efficient tools for communication, collaboration and supervision. Students can use the Blackboard system to access course materials and resources organized by their instructors using any Internet enabled computer.

Course Schedule

Session	Date	Lecture Content
1	Week 1, Session 1/3	Challenges in Engineering and Engineering leadership characteristics
2	Week 1, Session 2/3	Presentation / Invited Lecture by FlowAthens and Phenometry
3	Week 1, Session 3/3	Presentation / Invited Lecture by SoftOne and Hydrus Engineering
4	Week 2, Session 1/3	Presentation / Invited Lecture by General Electric and SIEBEN
5	Week 2, Session 2/3	Visit at General Electric Premises
6	Week 2, Session 3/3	Visit at SoftOne premises
7	Week 3,	Visit at SIEBEN Premises

	Session 1/3	
8	Week 3, Session 2/3	Lecture on Projects' organization Presentation / Invited Lecture by Quantimetrika
9	Week 3, Session 3/3	Presentations of Projects

Policies and Procedures

Attendance Policy:

Class participation and attendance are an integral part of the University's education policy: "Our mission requires of us that we pursue excellence in education...We are therefore committed to following the best practices of American higher education that encourage and require punctuality as well as attendance."

Plagiarism Policy:

Students are responsible for performing academic tasks in such a way that honesty is not in question. Academic Honesty Policy in the University Catalog states: "plagiarism is defined as copying another student's work, lending work to another student or representing extracts or whole articles and texts from books or handouts as one's own work". More details on this policy can be found in your *Student Handbook*.

Add-Drop Policy:

Students should follow the university Add-Drop policies as defined in the *Catalog* and *Student Handbook*.

Writing Into Disciplines (WID)

The Hellenic American University fosters the idea that writing as a process is fundamental to learning. In this framework all undergraduate courses incorporate writing as an essential means to promoting communication and the exchange of information across the disciplines.

Assignments

The assignments for this class will be in the form of individual homework. Each student will submit assignments at a predetermined date and time. More information about these assignments will be given at a later time.

Make-up and Late Assignments

Students are expected to manage their time appropriately so as to submit their assignments on time. Late assignments will receive no credit. Exceptions to this rule will be considered on an individual basis.

Method of Evaluation

Grading for assignments and exams will be on a scale of 0% to 100%. Final grade will be computed by weighting all scores as follows:

Assessment Area	Percentage
Class Attendance and Participation	25%
Coursework Assignments	25%
Mid-Term Exam	25%
Final Exam	25%

NOTE: Whereas this course outline is accurate at the beginning of the term, due to unforeseen circumstances that may arise during the course of the term, it may be altered preserving its structure and outcomes.