AME 550A Syllabus - Spring 2017

Instructor (Coordinator): Prof. Néstor O. Pérez-Arancibia (perezara@usc.edu)

Class Formal Name: Seminar in Aerospace and Mechanical Engineering (1.0 Unit)
Instructor Phone Number: 310-384-0123
Seminar Time: See the complete program below.
Seminar Location: SSL-150 or EEB-132 (see the program below)
Instructor Office Hours: Mondays, 2:00-4:00 PM (OHE 430-I).

Restrictions: Open to Aerospace Engineering and Mechanical Engineering graduate students (PhD and Master).

Course Objectives:
This course is a seminar series given by invited speakers covering state-of-the-art topics on Mechanical and Aerospace Engineering. This semester the series will have a marked emphasis on Robotics and Controls.

Grading:
50% Participation
50% Final Report (Due on April 28, 2017, by 11:59 PM)

The final report should **consist of at least ten (10)** professionally written short descriptions of the talks. Each independent description should have a clear title and not be longer than a 10-line paragraph. You **must** write your own individual report using your own words. Copied or Copy-and-pasted reports will be considered a serious academic integrity violation.

Academic Integrity:
All cases of academic integrity violation will be referred by a written report to the Student Judicial Affairs and Community Standards (http://www.usc.edu/student-affairs/SJACS/). The typical penalty recommended by SJACS is a grade of F for the course. **Also, see Appendix in page 3.**

Programmed Talks

ORDER	DATE/ ROOM/ TIME	SPEAKER, INSTITUTION	HOST(S)
1	01/11/2017 SSL 150 3:30PM	Dr. David Hall. MIT	A. Uranga
2	01/18/2017 SSL 150 3:30PM	Prof. Geno Pawlak, UCSD/Scripps Inst.	G. Spedding
3	01/25/2017 SSL 150 3:30PM	Prof. Mihailo Jovanovic, USC	I. Bermejo-Moreno
4	02/01/2017 SSL 150 3:30PM	Dr. George O'Neal, Hyperloop One	B. Yang
5	02/06/2017 EEB 132 11:00AM	Prof. Michael Pettes, U of Connecticut	G. Spedding
6	02/08/2017 SSL 150 3:30PM	Dr. Timotei Centea, USC	G. Spedding
7	02/15/2017 SSL 150 3:30PM	Dr. Chris Combs, The University of Tennessee Space Institute	G. Spedding
8	02/22/2017 SSL 150 3:30PM	Prof. Arezoo Ardekani, Purdue	E. Kanso/ M Luhar
9	02/27/2017 EEB 132 11:00AM	Prof. Assad Oberai, RPI	G. Spedding
10	03/01/2017 SSL 150 3:30PM	Dr. Kitty Kumar, CMU	G. Spedding

11	03/02/2017 TBA 2:30PM	Dr. Wei Gao, UC Berkeley	G. Spedding
12	03/06/2017 EEB 132 11:00AM	Dr. Alexandre Marques, MIT	G. Spedding
13	03/22/2017 SSL 150 3:30PM	Dr. Tomasso Ranzani, Harvard	G. Spedding
14	04/05/2017 SSL 150 3:30PM	Prof. Mike Plesniak, George Washington	J. Domaradzki
15	04/12/2017 SSL 150 3:30PM	Prof. Jeff Eldredge, UCLA	J. Domaradzki/ M. Luhar
16	04/19/2017 SSL 150 3:30PM	Prof. Ilenia Battiato, Stanford	M. Luhar
17	04/26/2017 TBA TBA	Laufer Lecture	G. Spedding

Document first uploaded on February 3, 2017.
The contents of this syllabus are subject to change. Weekly information will be updated without notice.

Prof. Néstor O. Pérez-Arancibia

APPENDIX: Statement on Academic Conduct and Support Systems

Academic Conduct

Plagiarism – presenting someone else's ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in *SCampus* in Section 11, *Behavior Violating University Standards* https://scampus.usc.edu/1100-behavior-violating-university-standards-and-appropriate-sanctions. Other forms of academic dishonesty are equally unacceptable. See additional information in *SCampus* and university policies on scientific misconduct, http://policy.usc.edu/scientific-misconduct.

Discrimination, sexual assault, and harassment are not tolerated by the university. You are encouraged to report any incidents to the *Office of Equity and Diversity* http://equity.usc.edu or to the *Department of Public Safety* http://capsnet.usc.edu/department/department-public-safety/online-forms/contact-us. This is important for the safety of the whole USC community. Another member of the university community – such as a friend, classmate, advisor, or faculty member – can help initiate the report, or can initiate the report on behalf of another person. *The Center for Women and Men* http://www.usc.edu/student-affairs/cwm/ provides 24/7 confidential support, and the sexual assault resource center webpage http://sarc.usc.edu describes reporting options and other resources.

Support Systems

A number of USC's schools provide support for students who need help with scholarly writing. Check with your advisor or program staff to find out more. Students whose primary language is not English should check with the *American Language Institute* http://dornsife.usc.edu/ali, which sponsors courses and workshops specifically for international graduate students. *The Office of Disability Services and Programs* http://sait.usc.edu/academicsupport/centerprograms/dsp/home_index.html provides certification for students with disabilities and helps arrange the relevant accommodations. If an officially declared emergency makes travel to campus infeasible, *USC Emergency Information http://emergency.usc.edu* will provide safety and other updates, including ways in which instruction will be continued by means of blackboard, teleconferencing, and other technology.