

CBEE 507 (1 Cr.) – Seminar
Fall Quarter 2016
School of Chemical, Biological, and Environmental Engineering
Oregon State University
2016.11.18
COURSE SYLLABUS

Instructor: Travis Walker
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Office: Gleeson 211
Office Hours: by appointment

Dates: 2016.09.21-2016.12.02
Time: W 1600-1650
Classroom: LPSC 125

Course Description: (CRN: 20923) Graded P/N. This course is repeatable for a maximum of 3 credits.

Website: <https://oregonstate.instructure.com/>
(Please make sure you have access to the Oregon State Instructure website, since all course materials and announcements will be available there.)

Textbook: CBEE 2015-2016 Graduate Student Handbook; Oregon State University Graduate Student Success Guide.

http://oregonstate.edu/dept/grad_school/docs/student-success-guide.pdf

Grade Policy: P/N – a passing grade is contingent on completing the required tasks below.

Grading: Attendance is mandatory, and only one (1) absence will be allowed. I expect that you will be in class, every time. If you cannot be in class for some reason, I expect that you will notify me ahead of time (in person or via email) that you will not be in class on a certain date and give me some idea of the reason. Most valid excuses are known ahead of time, and in the rare instance that an emergency arises, I expect that you contact me after class to let me know why you were absent. As part of the participation portion of your grade, you are expected to be punctual and minimize disruptions. Cell-phones need to be off during class. Also, no use of laptops or other electronic devices for activity outside of its use in this class will be tolerated. A passing grade is contingent on completing the required tasks.

Tentative Course Outline (2016.11.18):

All talks are from 1600-1650 unless otherwise noted.

Date	Topic	Presenter	Host
2016.09.21	Poster Session (1600-1800)	Research Groups	Faculty
2016.09.28	Plural Additive Manufacturing	Ed Israel	Walker
2016.10.05	mLab: Soft Active Materials, Bioinspired Mechanisms, and Digital Manufacturing	Yiğit Mengüç	Walker
2016.10.12	Bionanoparticles: A novel platform for biotherapeutics, biomaterials, and biocatalysis	Tracy Thompson	Schilke
2016.10.19	Impact of environmental fecal contamination on hand hygiene in urban Harare	Tala Navab-Daneshmand	Walker
2016.10.26	Hindered Translator and Hindered Rotor Models for Calculating Entropy of Adsorbed Species	Lynza Halberstadt Sprowl	Árnadóttir
2016.10.26	Droplet breakup dynamics of weakly viscoelastic fluids	Kristin Marshall	Walker
2016.11.02	Environmental Impact of Carbon-Based Nanomaterials Released During Nanocomposite Biodegradation	Debora Rodrigues	Radniecki
2016.11.09	The Motion of Magnetic Oblate Spheroids Suspended in Newtonian Fluids under Magnetic Field	Mingyang Tan	Walker
	Synthesis and characterization of Cu ₃ SbS ₄ nanoparticles for solution-based thin film solar cells	Gustavo Albuquerque	Herman
2016.11.16	AIChE National Conference	Cancelled	N/A
2016.11.21	Grid-scale thermochemical energy storage using mixed metal oxide redox cycles	Peter Kreider	Yokochi
2016.11.23	Happy Thanksgiving	Canceled	N/A
2016.11.30	Nike	Hossein Baghdadi	Walker

OSU STATEMENTS:

From the Office of the Dean of Students (1995.12.13): Behaviors which are disruptive to the learning environment will not be tolerated, and will be referred to the Office of the Dean of Students for disciplinary action. Behaviors which create a hostile, offensive or intimidating environment based on gender, race, ethnicity, color, religion, age, disability, marital status or sexual orientation will be referred to the Affirmative Action Office.

Web link: <http://oregonstate.edu/admin/stucon/index.htm>

Statement Regarding Students with Disabilities Accommodations are collaborative efforts between students, faculty and Disability Access Services (DAS). Students with accommodations approved through DAS are responsible for contacting the faculty member in charge of the course prior to or during the first week of the term to discuss accommodations. Students who believe they are eligible for accommodations but who have not yet obtained approval through DAS should contact DAS immediately at 737-4098.

Web link: <http://ds.oregonstate.edu/prospective/>

Student Conduct Code Choosing to join the Oregon State University community obligates each member to a code of responsible behavior which is outlined in the Student Conduct Code. The assumption upon which this Code is based is that all persons must treat one another with dignity and respect in order for scholarship to thrive.

For a copy of the Student Conduct Code, see http://studentlife.oregonstate.edu/sites/studentlife.oregonstate.edu/files/student_conduct_code_1.pdf.

Academic Honesty Any instances of dishonesty in academic work will be treated according to OSU Academic Regulations. The Statement of Expectations for Student Conduct is given in the OUS OAR #576-015-0020, accessible at the following link:

Web link: <http://oregonstate.edu/studentconduct/home/>.

The policy is summarized below:

Academic or Scholarly Dishonesty is defined as an act of deception in which a Student seeks to claim credit for the work or effort of another person, or uses unauthorized materials or fabricated information in any academic work or research, either through the Student's own efforts or the efforts of another. It includes

- (i) **CHEATING** - use or attempted use of unauthorized materials, information or study aids, or an act of deceit by which a Student attempts to misrepresent mastery of academic effort or information. This includes but is not limited to unauthorized copying or collaboration on a test or assignment, using prohibited materials and texts, any misuse of an electronic device, or using any deceptive means to gain academic credit.
- (ii) **FABRICATION** - falsification or invention of any information including but not limited to falsifying research, inventing or exaggerating data, or listing incorrect or fictitious references.
- (iii) **ASSISTING** - helping another commit an act of academic dishonesty. This includes but is not limited to paying or bribing someone to acquire a test or assignment, changing someone's grades or academic records, taking a test/doing an assignment for someone else by any means, including misuse of an electronic device. It is a violation of Oregon state law to create and offer to sell part or all of an educational assignment to another person (ORS 165.114).
- (iv) **TAMPERING** - altering or interfering with evaluation instruments or documents.
- (v) **PLAGIARISM** - representing the words or ideas of another person or presenting someone else's words, ideas, artistry or data as one's own, or using one's own previously submitted work. Plagiarism includes but is not limited to copying another person's work (including unpublished material) without appropriate referencing, presenting someone else's opinions and theories as one's own, or working jointly on a project and then submitting it as one's own.

ACCESSING COE PROGRAMS AND DOCUMENTS 2015.09.08:

1. **Verify that you have a valid OSU ONID and ENGR computing account.** More information on getting access to and using ENGR computing resources is available here:

<http://engineering.oregonstate.edu/computing/gettingstarted/224>

To create an ENGR computing account (if you have not done so already),

- (a) go to <http://engineering.oregonstate.edu/teach>
- (b) select "Create a new account" at the bottom of the screen.
- (c) follow the prompts to create your ENGR account.

It is strongly suggested that you immediately log in and verify that you can access the Web, printers, etc. from your ENGR account.

If you are working from off-campus, you will need to access COE systems through the secure Virtual Private Network (VPN).

For more information and to download software to set up the VPN, please visit <http://oregonstate.edu/helpdocs/network/vpn-campus-access>

2. **You must have a laptop computer with access to wireless networks that is capable of running Microsoft Excel and MATLAB.** Access to a laptop computer is a requirement for students in the OSU College of Engineering (c.f., <http://engineering.oregonstate.edu/laptop-requirements>).

For general information about OSU COE computing resources, visit <http://engineering.oregonstate.edu/computing/personal>.

If you need help with your ENGR account, setting up your laptop, installing software, or access to the ENGR wireless network, please contact the COE Wireless Helpdesk or email support@engr.oregonstate.edu. The Helpdesk is located in Dearborn 120A and is open from 9AM - 11PM, 7 days a week. <http://engineering.oregonstate.edu/computing/personal/155>

3. **MATLAB is made available for free by OSU.** Obtain installation access using the following URL.

<http://engineering.oregonstate.edu/computing/mathworks/>

4. **Microsoft Office is made available for free by OSU.** Obtain installation access using the following URL.

<http://oregonstate.edu/office365>

5. **Accessing MATLAB and MS Office through Citrix/XenApp Web (no need to purchase Microsoft Office)** Both MATLAB and Microsoft Office (including Excel) can be accessed remotely, at no cost, from COE servers using the Citrix or XenApp Web mechanisms.

Citrix and XenApp allow you to run a wide variety of software applications on your PC or Mac system, as well as some iOS, Android and Chrome-based devices. A convenient Web-based interface makes access to the applications simple and can be accessed at <https://apps.engr.oregonstate.edu>.

You will need to install the Citrix Receiver software to use applications on the Citrix servers. Follow the directions at the site below to get started with Citrix: <http://engineering.oregonstate.edu/computing/citrix/>

If you need help with any of these steps, please contact the OSU College of Engineering Helpdesk: <http://engineering.oregonstate.edu/computing/policies/155> or <https://secure.engr.oregonstate.edu/forms/contact.php?to=support>