

ENGR 60300 – Doctor of Engineering Seminar

Course Information

Course Number and Title: ENGR 603 Doctor of Engineering Seminar

CRN: TBD

Meeting day(s) and time(s): Online, asynchronous

Mode: Asynchronous, 15 weeks, 1 credit hours

Prerequisites: None

Instructor Information - TBD

Name:

Office:

Phone:

Email:

Office Hours / How to Reach:

Course Description

The graduate seminar is designed to provide you with an opportunity to explore and engage with current research topics, trends, and developments within engineering. The seminar will feature a different guest speaker each week. Here are the benefits of participating in the seminar:

- Knowledge expansion: You will gain insights into cutting-edge research.
- Exposure to diverse research areas: You will be exposed to a broader range of topics and research areas. This exposure will help you gain a more comprehensive understanding of current cutting edge research topics and techniques. It can also inspire new research ideas and perspectives that you may not have considered previously.
- Developing critical thinking skills: You will refine your critical thinking by asking questions and participating in discussions during the seminars.
- Developing presentation skills: You will observe different presentation styles and effective communication techniques that you can use as examples to develop your own.
- Networking: You will be able to interact with professors, researchers, and peers from within and outside your program.

As one of the foundational courses for the Doctor of Engineering program, students are expected to take this course at least once during their first year of the program.

Learning Outcomes

LOA1. List critical areas and topics being investigated across a variety of engineering disciplines and areas.

LOA2. Summarize a research presentation.

LOA3. Identify improvements for current research practices.

LOA4. Identify effective presentation styles and effective communication techniques.

LOA5. Network with your peers and provide feedback.

Assignments

Attendance

Presentation Report

Grading

This course is Pass / Not Pass. The expectation is that you attend at least 12 out of 15 seminars in the semester. Attendance will be taken and will include answering several reflection questions meant to demonstrate the learning objectives of the course.

Example questions include:

Briefly summarize the topic of the seminar talk?

Briefly summarize the research methods used to perform the research presenting in the talk?

Do you think the statistical or computational methods used to analyze the data was appropriate or not appropriate? Why?

What was the main take-away message from the research presented?

Briefly summarize the application of the research.

Course Outline and Technology

Check Brightspace regularly for up-to-date, lecture-by-lecture schedule and relevant materials and discussion threads.

Required Texts: None

Academic Integrity

Academic integrity is one of the highest values that Purdue University holds. Individuals are encouraged to alert university officials to potential breaches of this value by either [emailing](#) or by calling 765-494-8778. While information may be submitted anonymously, the more information that is submitted provides the greatest opportunity for the university to investigate the concern. The [Purdue Honor Pledge](#) "As a boilermaker pursuing academic excellence, I pledge to be honest and true in all that I do. Accountable together - we are Purdue"

You may also want to refer students to Purdue's [student guide for academic integrity](#).

Copyright

See the University Policies and Statements section of Brightspace for guidance on Use of Copyrighted Materials. Effective learning environments provide opportunities for students to reflect, explore new ideas, post opinions openly, and have the freedom to change those opinions over time. Students may not copy, reproduce, or post to any other outlet any work in which they are not the sole or joint author or have not obtained the permission of the author(s).

Nondiscrimination Statement

Purdue University is committed to maintaining a community which recognizes and values the inherent worth and dignity of every person; fosters tolerance, sensitivity, understanding, and mutual respect among its members; and encourages each individual to strive to reach his or her own

potential. In pursuit of its goal of academic excellence, the University seeks to develop and nurture diversity. The University believes that diversity among its many members strengthens the institution, stimulates creativity, promotes the exchange of ideas, and enriches campus life. [Link to Purdue's nondiscrimination policy statement.](#)

Students with Disabilities

Purdue University strives to make learning experiences as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, you are welcome to let me know so that we can discuss options. You are also encouraged to contact the Disability Resource Center at: drc@purdue.edu or by phone: 765-494-1247.

Emergency Preparation

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Relevant changes to this course will be posted onto the course website or can be obtained by contacting the instructors or TAs via email or phone. You are expected to read your @purdue.edu email on a frequent basis.

Mental Health Statement

If you find yourself beginning to feel some stress, anxiety and/or feeling slightly overwhelmed, try [WellTrack](#). Sign in and find information and tools at your fingertips, available to you at any time. **If you need support and information about options and resources,** please see the [Office of the Dean of Students](#) for drop-in hours (M-F, 8 am- 5 pm).

- If you're struggling and need mental health services: Purdue University is committed to advancing the mental health and well-being of its students. If you or someone you know is feeling overwhelmed, depressed, and/or in need of mental health support, services are available. For help, such individuals should contact Counseling and Psychological Services (CAPS) at 765-494-6995 during and after hours, on weekends and holidays, or by going to the CAPS office of the second floor of the Purdue University Student Health Center (PUSH) during business hours.

Netiquette

Your instructor and fellow students wish to foster a safe online learning environment. All opinions and experiences, no matter how different or controversial they may be perceived, must be respected in the tolerant spirit of academic discourse. You are encouraged to comment, question, or critique an idea, but you are not to attack an individual. Our differences, some of which are outlined in the University's nondiscrimination statement below, will add richness to this learning experience. Please consider that sarcasm and humor can be misconstrued in online interactions and generate unintended disruptions. Working as a community of learners, we can build a polite and respectful course ambience. Please read the Netiquette rules for this course:

- Do not dominate any discussion. Give other students the opportunity to join in the discussion.
- Do not use offensive language. Present ideas appropriately.
- Be cautious in using Internet language. For example, do not capitalize all letters since this suggests shouting.

- Avoid using vernacular and/or slang language. This could possibly lead to misinterpretation.
- Keep an “open-mind” and be willing to express even your minority opinion.
- Think and edit before you push the “Send” button.
- Do not hesitate to ask for feedback.

Violent Behavior Policy

Purdue University is committed to providing a safe and secure campus environment for members of the university community. Purdue strives to create an educational environment for students and a work environment for employees that promote educational and career goals. Violent Behavior impedes such goals. Therefore, Violent Behavior is prohibited in or on any University Facility or while participating in any university activity.

See the [University's full violent behavior policy](#) for more detail.

Disclaimer

This syllabus is subject to change. The instructor reserves the right to change the syllabus to accommodate new developments and technologies to best serve the needs of the learners. Changes to the syllabus will be shared via class communications such as the course Brightspace site announcements.

Presentation Report**Presentation Report Feedback**