

GRADUATE SEMINAR

Course Info

NEMS 500000 | GRADUATE SEMINAR
Engineering Building I, R108
Mon, 3:30pm – 5:20pm

Instructors

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TA

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Grading

Attendance | 40%
Class Participation | 30%
Reflection Papers | 30 %

Course Description

This seminar is designed to immerse students into a multi-disciplinary environment where diversified topics may trigger creativity for their research works. We will invite speakers from both academia and industry, covering topics like arts, biomedical science, engineering, music, physics, etc.

Course Goals & Objectives

- To cultivate T-shaped and M-shaped professionals.
- Be able to summarize a talk and ask a critical question.
- Be able to identify research novelty and have an insightful perspective.
- Be able to write a technically sound reflection paper.

Pre-requisites

- N/A.

Textbooks/References

- N/A.

Examination

- N/A.

Homework Policy

- No late homework will be accepted.
- Generative AI can only be used for polishing text, and the original (*i.e.*, unpolished) version should be provided as well.

Academic Integrity

A zero-tolerance policy towards academic dishonesty will be enforced. Academic misconduct includes, but is not limited to, cheating, plagiarism, and collusion. A failing grade (F) will be awarded and the case will be forwarded to the Academic Integrity Office.

An individual is encouraged to read the official campus policy. Please speak with the instructor if you have any concerns.

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Attendance [40 pts]

Check-in & Check-out. A successful register of attendance necessitates individual's signatures on both check-in and check-out sheets. Either a missing signature on the sheet or lateness (>10 min) will be regarded as an absence.

Grading:

Absence from	Score
0 talk	40 pts
1 talk	40 pts
2 talks	30 pts
3 talks	20 pts
≥4 talks	A failing grade (F) will be awarded.

Class Participation [30 pts]

An individual has a default score of 15 points and can get 30 points at most for class participation. An addition or a subtraction of the score will be taken on the following basis.

Proactive Participation. To facilitate class participation, the following actions taken during each talk are regarded as *proactive participation* that results in **+6** points: 1) asking a question, 2) providing feedback, 3) discussing with a speaker (even after class), and 4) commenting. To ensure there is no missing log, an individual who takes proactive participation should fill and submit the *Q&A Record Sheet* (<https://forms.gle/f7LvBecMkzMFYKg49>) in ONE week after the talk.

Negative Participation. The following actions taken during each talk are regarded as *negative participation* that results in **-5** points: 1) disruptive talking, 2) making noise, 3) sleeping, and 4) dining. Once an individual takes negative participation more than **3 times**, an **F**-grade will be awarded.

While, the criteria defining negative participation are not applicable to an individual with Tourette's syndrome. Plus, drinking water/coffee/tea and eating snacks (which will not be smelling and will not make the conference room messy) are conditionally allowed.

Reflection Papers [30 pts]

Objective: An individual should choose **4 talks** that are mostly interesting (to you) and submit the reflection papers to the [EEClass](#) in two weeks after each talk. For example, the *Week 3 paper* is due on March 17th at 11:59pm, the *Week 4 paper* is due on March 24th at 11:59pm, and so on.

Length and formatting:

- A reflection paper must not exceed 2 pages printed on A4- (8.3" by 11.7") or US letter-sized (8.5" by 11") paper with 1-inch margins (top, bottom, left, and right).
- Body text must exceed 400 words.
- No more than 2 figures can be used.
- The file format must be **.docx** or **.pdf**.

Additional information

Final Grading and Normalization: To determine the grade and relative standing for each individual who passes the class, normalization will be applied. The final grades will be accommodated into a scoring range between 71 and 95, with a mean score of 85 ± 1 .

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Schedule (tentative)

Wk	D	SPEAKER INFO	TOPIC
1	2/19	黃至正 CHIH-CHENG HUANG, PH.D. ASSISTANT PROFESSOR PRECISION MEDICINE PROGRAM NATIONAL TSING HUA UNIVERSITY Course Overview.	
2	2/26	TBA	
3	3/4	張元齡 YUAN-LING CHANG NODE TRANSITION PROJECT TECH LEAD ASML TBD.	
4	3/11	鄭嘉文 CHIA-WEN CHENG, PH.D. ASSISTANT PROFESSOR DEPARTMENT OF LAW HSUAN CHUANG UNIVERSITY Copyright / Research Compliance and Integrity / AI.*	
5	3/18	陸秀儀 HSIU-I LU INSTRUCTOR DEPARTMENT OF DRAMA AND THEATRE NATIONAL TAIWAN UNIVERSITY TBD.	
6	3/25	李典儒 DIAN-RU LI, PH.D. ASSISTANT PROFESSOR DEPARTMENT OF MECHANICAL ENGINEERING NATIONAL TAIWAN UNIVERSITY TBD.	
7	4/1	李伯軒 BO-SHIUAN LI, PH.D. ASSISTANT PROFESSOR DEPARTMENT OF MECHANICAL & ELECTRO-MECHANICAL ENGINEERING NATIONAL SUN YAT-SEN UNIVERSITY TBD.	
8	4/8	TBA	
9	4/15	林子恩 TZU-EN LIN, PH.D. ASSOCIATE PROFESSOR INSTITUTE OF BIOMEDICAL ENGINEERING NATIONAL YANG MING CHIAO TUNG UNIVERSITY TBD.	
10	4/22	TBA	
11	4/29	黃柏堯 POYAO HUANG, PH.D. ASSISTANT PROFESSOR INSTITUTE OF HEALTH BEHAVIORS AND COMMUNITY NATIONAL TAIWAN UNIVERSITY TBD.	
12	5/6	侯政宏 HOWELL HOU, PH.D. PRINCIPAL ENGINEER CORPORATIVE ANALYSIS LABORATORY/ MATERIAL ANALYSIS DEPARTMENT (CAL/MAND) TSMC TBD.	
13	5/13	陳俊嘉 CHUNCHIA CHEN, PH.D. ASSISTANT RESEARCH FELLOW INSTITUTE OF ATOMIC & MOLECULAR SCIENCES ACADEMIA SINICA TBD.	
14	5/20	林奕銘 IMING LIN JAZZ SAXOPHONIST AND COMPOSER Jazziz not what you think.	
15	5/27	江宜達 I-DA CHIANG, PH.D. POSTDOC FELLOW INSTITUTE OF ASTRONOMY & ASTROPHYSICS ACADEMIA SINICA TBD.	
16	6/3	Finals week. No class.	

* This talk will be presented in Chinese, and the video with English subtitles will be provided later in EEClass.