

◆**Course:** 11310NEMS500000 書報討論(Seminar)

◆**When:** 1st semester, 2024, M 15:30-17:20

- 具備優質的外語能力與國際觀 (50%)

Excellent foreign language skills and a global perspective (50%)

- 具備紮實的工程基礎知識及技術 (30%)

Solid knowledge and sound skills of engineering (30%)

- 培養具備異質領域整合、溝通與協調能力之領導人才 (5%)

Leadership skills in interdisciplinary integration, communication and coordination

(5%)

- 具備能夠獨立思考、研發設計與實務執行之能力。(5%)

Independent thinking and the ability to innovate and implement new ideas in

practice (5%)

- 培養自我學習、持續創新及具有冒險勇氣的領導人才 (10%)

Abilities of self-learning and continuous innovation, and courageous and risk-

taking leadership (10%)

◆Objectives

Weekly seminar series covering topics of current research interest in Micro Electro Mechanical Systems (MEMS) and Nano engineering design, fabrication and applications. Current research work and literature in these areas are discussed. Talk contents are not limited to MEMS and Nano engineering, and many Professors from various research field will be invited. Enrollment is restricted to graduate students. Undergraduates may enroll with permission of the instructor.

◆Grading:

- Attendance (50%): a maximum of two absences are permitted, after which 5% will be deducted for each absence.
- Reflection paper (35%): Submit a copy electronically to the TA and instructor by the following day (Tuesday) at 5:00 PM for credit. You must submit one each week for each seminar attended. The paper needs to be typed and not handwritten.
- Other performance in class (15%): Active participation is encouraged. Points will be granted for each question or comment raised to the speaker.

◆**Contact:** 森川響二郎 助理教授 / Kyojiro Morikawa, Assistant Professor

(morikawa@pme.nthu.edu.tw)

◆Schedule:

The class will start on September 2nd, and different speakers including overseas professors (with online lectures) will be invited every week.

◎113 上學期行事曆 15:30-17:20 at ENG I 工一 108

週數	日期(每週一)	內容
第一週	9月2日	開學第一週上課, 所長/授課教師談話
第二週	9月9日 Online	Prof. Minghao Nie / UTokyo
第三週	9月16日	Prof. Zong-Hong Lin / NTU
第四週	9月23日	環安中心- 巫小玲
第五週	9月30日	Dr. Kentaro Shirai / Sysmex Corp.
第六週	10月7日 Online	Prof. Yutaka Kazoe / Keio Univ
第七週	10月14日 Online	Prof. Minhyeok Lee / UTokyo
第八週	10月21日 Online	Prof. Yan Xu / Osaka Metrop. Univ.
第九週	10月28日	Prof Ching-Te Kuo / National Sun Yat-sen Univ.
第十週	11月4日	Prof. Manabu Tokeshi / Hokkaido Univ.
第十一週	11月11日 Online	Prof. Kenji Sueyoshi / Kitasato Univ.
第十二週	11月18日	NAMIS WORKSHOP
第十三週	11月25日	Prof. Jen-Huang Huang / NTHU
第十四週	12月2日	Prof. Craig Priest / Univ. South Australia
第十五週	12月9日	Prof. Hiroyuki Fujita / NTHU
第十六週	12月16日	期末考週
第十七週	12月23日	寒假開始

Online LINK: <https://x.gd/1KRma>

We will use "Webex" for online courses. Please check your settings for Webex.