

## Course Information – 2025 Spring Semester

[https://www.phys.sinica.edu.tw/TIGP-NANO/Course/2025\\_Spring.html](https://www.phys.sinica.edu.tw/TIGP-NANO/Course/2025_Spring.html)

### Course selection period

For **NTU** students –

※ Course selection: Jan 7-9, Jan 14-15

※ **Add and Drop**: Feb 17- Mar 1 (6:00pm)

my NTU (course selection): <https://my.ntu.edu.tw/Default.aspx?lang=eng>

Course information: <https://nol.ntu.edu.tw/nol/guest/index.php>

For **NTHU** students –

※ Course selection: Dec 23-25, Dec 31- Jan 2, Jan 13-15

※ **Add and Drop**: Feb 13 - Mar 2

Course information: <https://www.ccxp.nthu.edu.tw/ccxp/INQUIRE/JH/6/JH62.htm>

Personal (student) Login: <https://www.ccxp.nthu.edu.tw/ccxp/INQUIRE/>

English: <https://www.ccxp.nthu.edu.tw/ccxp/INQUIRE/index.php?lang=english>

### ◎Required courses

| Subject [credit]                                                                        | Lecturer                                             | Course Serial Number / Code |                  |                      | Time<br>First class                      | Classroom                    |
|-----------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------|------------------|----------------------|------------------------------------------|------------------------------|
|                                                                                         |                                                      | NTU<br>Physics              | NTU<br>Chemistry | NTHU ESS             |                                          |                              |
| 奈米科技進階 A [3]<br>Advanced Nanotechnology <b>A</b>                                        | 柯忠廷<br>Ke, Chung-Ting<br>(IoP)                       | ◎<br>44000                  |                  | ◎<br>11320TIGP740201 | Wednesday<br>9:00-12:00<br><b>2/19</b>   | 中研院物理所<br>P101, IoP          |
| 奈米科技進階 B [3]<br>Advanced Nanotechnology <b>B</b>                                        | 陳培菱、董奕鍾<br>Chen, Pei-Lin<br>Tung, Yi-Chung<br>(RCAS) |                             | ◎<br>46343       | ◎<br>11320TIGP740202 | Friday<br>9:30-12:30<br><b>2/21</b>      | 中研院物理所<br>P101, IoP          |
| 固態物理專題：進階與應用 [3]<br>Special Topics on Solid State Physics:<br>Advances and Applications | 林敏聰<br>Lin, Minn-Tsong<br>(Physics, NTU)             | 45721                       |                  | 11320TIGP744300      | Wednesday<br>14:20-17:10<br><b>2/19s</b> | 台大物理<br>R618<br>Physics, NTU |
| 晶體成長之科學與實作 [3]<br>Science and Practices of Crystal<br>Growth                            | 雷曼<br>Sankar Raman<br>(IoP)                          | 32199                       | 32199            | 11320TIGP748500      | Tuesday<br>14:10-17:00<br><b>2/18</b>    | 中研院物理所<br>P101, IoP          |
| 應用光學 [3]<br>Applied Optics [3]                                                          | 林宮玄<br>Lin, Kung-Hsuan<br>(IoP)                      | 25144                       | 25144            | 11320TIGP741300      | Monday<br>18:00-21:00<br><b>2/17</b>     | 中研院物理所<br>P101, IoP          |

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|--------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------|------------------|----------------------|----------------------------------------------------------|--------------------------------------|
|                                                                                      |                                                  | NTU<br>Physics                                | NTU<br>Chemistry | NTHU ESS             |                                                          |                                      |
| 計算材料 [3]<br>Computational Materials Science                                          | 周美吟、郭哲來<br>Mei-Yin Chou<br>Jer-Lai Kuo<br>(IAMS) | 17958                                         | 17958            | 11320TIGP748300      | Thursday<br>9:10-12:00<br>2/20                           | 中研院原分所<br>R311, IAMS                 |
| 永續化學科技導論二 [3]<br>Introduction to Sustainable<br>Chemical Science and Technology (II) | SCST                                             |                                               | 28963            | 11320TIGP723800      | Wednesday<br>09:00-12:00<br>2/19                         | 中研院化學所<br>B105, IoC                  |
| 高等材料化學 [3]<br>Advanced Chemistry of Materials [3]                                    | IoC                                              |                                               | 34330            | 11320TIGP747500      | Tuesday<br>13:20-16:20<br>2/18                           | 中研院化學所<br>B105, IoC                  |
| 高等物理化學二 [3]<br>Advanced Physical Chemistry (II)                                      | 林倫年<br>Hayashi, Michitoshi<br>(CCMS)             |                                               | 53908            | 11320TIGP727200      | Monday<br>9:10-10:00<br>Wednesday<br>10:10-12:00<br>2/17 | 臺大化學<br>Room 121<br>Chemistry, NTU   |
| 尖端材料之基礎與應用 [3]<br>Advanced Materials: Fundamentals<br>and Applications               | 林麗瓊<br>Li-Chyong Chen<br>(Phys, NTU)             | 45227                                         | 45227            | 11320TIGP748600      | Monday<br>9:10-12:10<br>2/17                             | 台大凝態中心<br>212 室<br>CCMS Room212, NTU |
| 專題討論 [1]<br>Seminar                                                                  | Faculty Members                                  | ◎<br>1st year:<br>49074<br>2nd year:<br>35985 | ◎<br>47663       | ◎<br>11320TIGP749200 | Wednesday<br>14:10-16:00<br>2/19                         | 中研院物理所<br>P101, IoP                  |
| 專題研究 [1]<br>Research Training                                                        | Advisor                                          |                                               | ◎<br>43422       |                      |                                                          |                                      |

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|-----------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------|--------------------------------------------------|----------------------|-------------------------------------------------------------------------|--------------------------------------|
|                                                                                   |                                | NTU<br>Physics                                   | NTU<br>Chemistry                                 | NTHU ESS             |                                                                         |                                      |
| 專題演講 [0]<br>Colloquium                                                            | 胡宇光<br>Hwu, Yeu-Kuang<br>(IoP) |                                                  |                                                  | ⊙<br>11320TIGP749400 |                                                                         |                                      |
| 中文課<br><b>Basic Chinese (II)</b><br>(required course for all foreign<br>students) | 華語教師                           | Attending the<br>class, and no<br>need to select | Attending the<br>class, and no<br>need to select | 11320TIGP719100      | Tuesday<br>18:30-21:30<br><b>2/18</b><br>Or<br>Wednesday<br><b>2/19</b> | 中研院<br>Room 207<br>TIGP T&A Building |

⊙Required courses