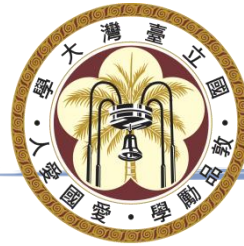


# Artificial Intelligence in *Chemical Engineering* (2023)



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# AI in Chemical Engineering (2023)

| Time    |      | Topics   | Lecturer         | Score |
|---------|------|--|------------------|-------|
| Week 1  | 2/20 | AI Milestones  | Cheng-Liang CHEN | 10%   |
| Week 2  | 3/1  | AI related theories and hands-on practice                            | Yi-Pei LI        | 20%   |
| Week 3  | 3/8  | Application of AI – Reaction engineering                             |                  |       |
| Week 4  | 3/15 |  |                  |       |
| Week 5  | 3/22 | Application of AI – Chemical process operation and ChE industry      | Bor-Yih YU       | 10%   |
| Week 6  | 3/29 |  |                  |       |
| Week 8  | 4/12 | Application of AI – Spectroscopy analysis and semiconductor industry | Cheng-Che HSU    | 10%   |
| Week 9  | 4/19 |  |                  |       |
| Week 10 | 4/26 | Application of AI – Materials discovery (MOF)                        | Li-Chiang LIN    | 10%   |
| Week 11 | 5/3  |  |                  |       |
| Week 12 | 5/10 | Application of AI – Molecular design                                 | Shiang-Tai LIN   | 10%   |
| Week 13 | 5/17 |  |                  |       |
| Week 14 | 5/24 | Final Report and Discussion  | Yi-Pei LI        | 30%   |
| Week 15 | 5/31 |  |                  |       |