

**입자에어로졸공학**  
**(Particle/Aerosol Science and Engineering)**  
**3학점, 대학원, 2019년 2학기**

**Instructor:** 이태규 (제1공학관 S502호, 2123-5751, teddy.lee@yonsei.ac.kr)  
**Hours:** 금 13:00-15:50  
**Room:** 제4공학관 D507호  
**Office Hrs:** by appointment

**TA:** 서혜인 (A244, 2123-7780, seohaen1@yonsei.ac.kr)  
**Office Hrs:** by appointment

**Textbook:** Aerosol Technology by William C. Hinds, Wiley-Interscience  
& Class Notes

**Topics:**

- Chap. 1 Introduction
- Chap. 2 Properties of Gases
- Chap. 3 Uniform Particle Motion
- Chap. 4 Particle Size Statistics
- Chap. 5 Straight-Line Acceleration and Curvilinear Particle Motion
- Chap. 7 Brownian Motion and Diffusion
- Chap. 9 Filtration
- Chap. 11 Respiratory Deposition
- Chap. 12 Coagulation
- Chap. 13 Condensation and Evaporation

**Grading:**

Midterm Exam	40%
Final Exam	40%
Participation and Attendance	20%

**\*Note:** Classroom, topics, and times are subject to change  
No classes on 1<sup>st</sup> of November