



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# Teaching Mentorship in Chemical and Biomolecular Engineering

## CBE 8189

**Credit Hours:**

3.00 - 3.00

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**Course Levels:**

Graduate (5000-8000 level)

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**Course Components:**

Independent Study

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**Course Description:**

Expose students who are interested in academic careers to the classroom environment, while having minimal impact upon the overall course. An interest in pursuing an academic job in the engineering or science arena recommended.

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**Prerequisites and Co-requisites:**

Prereq: FABEng 7220 or 810; and at least 1 IA or TA experience.

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**Course Topics:**

- OSU Policies & Procedures
  - Teaching Portfolios & Philosophy of Teaching
  - Learning Styles & Lecture Development in Chemical and Biomolecular Engineering
  - Assessing Student Learning
  - Lecturing in Chemical and Biomolecular Engineering: Strength, Weaknesses and Alternatives
  - Lecture Development for Targeted Chemical and Biomolecular Course
  - Presentation Development for Targeted Chemical and Biomolecular Course
  - Exam/Assessment Development for Targeted Chemical and Biomolecular Course
  - Assessment of Teaching
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**Designation:**

Elective