

Class Description:**ECE 8XXX: Future Faculty Training Program- Practicum**

This class provides individualized mentorship for graduate students getting ready to apply to faculty positions.

The class objective is to prepare students interested in applying for faculty positions for interview season and for successful start of academic career. After this class, students will have prepared material for applying for academic positions as well as developed interview talk with detailed feedback.

Textbook: None

Prerequisites: None

Grading:

50% Attendance

50% Assignment completion, participation in discussions

The practicum does not have lecture time, but has 1-1 student advising and feedback on their assignments. Faculty spends 30 min each week with each student (total of 10h per week + grading)

Assignment 1: Identify which schools would you like to apply and identify deadlines and needed documentation. Write a short document and share with faculty who is advising you through practicum class.

Identify directories in NSF where your research can be submitted and read Proposal & Award Policies & Procedures Guide (1 week)

Assignment 2: Interview three faculty (one assistant, one associate, and one full professor) in your and/or neighboring areas. Summarize findings and discuss them with faculty advising the practicum class. (2 weeks)

- Gain insights into why did they become professors.
- Find out what excites them about the job
- Find out what are the main obstacles making them successful at job.
- Find out what is frustrates them the most.
- Ask for one advice they would give you if they would start career again

Assignment 3: Prepare CV and submit to class advisor of a feedback (1 week)

Assignment 4: Meet with faculty advising the practicum class to discuss content of teaching philosophy and research statement documents (1 week)

Assignment 5: Write teaching philosophy and research statement documents and submit for feedback to faculty advising the practicum class (2 weeks)

Assignment 6: Meet with faculty advising the practicum class to discuss interview presentation and how to make it, also discuss potential letter writers (1 week)

Assignment 7: Prepare presentation and give a talk, discuss outline with practicum professor (last week of the semester)

Assignment 8: Start thinking about potential topics for NSF Career proposal. Discuss with your advisor and faculty for this class (1 week)

Assignment 9: Write a short proposal (6 pages) in NSF-like format on a potential topic for NSF Career grant (3 weeks)

Academic Honor Code: The Honor Code applies to every aspect of this class, with only one noteworthy exception: student discussion of concepts and techniques for solving homework problems is permitted and even encouraged outside the classroom. However, *all submitted work must be original*. More details on academic honor code can be found at: <http://www.policylibrary.gatech.edu/student-affairs/academic-honor-code>

Access and Accommodations: At Georgia Tech we strive to make learning experiences as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, you are welcome to let me know so that we can discuss options. You are also encouraged to contact the Office of Disability Services to explore reasonable accommodations. More details can be found at: <https://disabilityservices.gatech.edu/>

Absence Policy: The class will follow institute absence policy detailed at <http://www.catalog.gatech.edu/rules/4/>