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# ANAT 7250

## Advances in Anatomical Sciences II

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Spring Semesters  
January through May

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### Goals

1. To develop the skills required for evaluating research, its application and relevance to human structure, physiology and disease
2. To understand how to develop new ideas for solving old and new clinical science questions

### Course format

This is a seminar style course. Select a published paper from the literature in the past 12 months on any topic relating to human morphology (form, structure, ultrastructure, cell biology). Seek approval from Course Director for your chosen paper **one week** before your presentation date. Failure to do so will **automatically** preclude the student from earning an A grade in the course.

Analyse and evaluate the paper and put together a presentation that should last no more than 20 minutes. The presentation will be followed by a general discussion by students and faculty. The presenting student should

- (a) demonstrate full understanding of the material in the chosen paper
- (b) identify any weaknesses in design, analysis and interpretation of the findings of the study in the chosen paper
- (c) demonstrate the ability to extrapolate from the study in the chosen paper to the design of new experiments.

Audience students will be scored for contribution during each presentation: each student is expected to ask a minimum of 1 question related and relevant to the presentation topic.

### Grading

Presentations will be scored according to the following schematic:

clarity of presentation	1	2	3	4	5
identifying study weaknesses	1	2	3	4	5
understanding of material	1	2	3	4	5
quality of new study design	1	2	3	4	5
summary of presentation	1	2	3	4	5

Audience students will be individually scored according to the following schematic:

Quality and relevance of contributed questions	1	2	3
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There is no written test or examination in this course. Final grade for the course will be calculated from the points earned under each of the headings in the different schematic diagrams above.

### Course

Director: Dr. Hill

Credits: 1

### Required:

- Select paper
- Email course director for approval
- Give presentation

### Grades:

Final grades will be posted in Blackboard at the end of the course

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