COURSE OUTLINE

Course Title: HTH SCI 4G03 Pathoanatomy

Instructor: Dr. Tom Jackson

Teaching Assistant: Bhanu Sharma

Calendar Description:
Students will research the anatomy, surgical approach and etiology of a pathology assigned from an anatomical system of their choosing, depending on availability of cadavers. The goal is to give students an opportunity to prepare an educational surgical specimen from human materials.

Course Goals and Learning Objectives:
1. Expand understanding of human anatomy and introduce concepts in pathology.
2. Develop dissection and tissue handling skills.
3. Use the vocabulary of anatomy, surgery, and pathology precisely and correctly.
4. Explain the pathogenesis and outcome of common disease processes.
5. Prepare an educational surgical specimen from human materials.

Format:
There will be one lecture hour, a three hour laboratory session, and a tutorial hour each week. Students will work in groups to prepare and present information about a specific pathology. Lectures will consist primarily of these student presentations. Two groups will present each week, and all students will submit a question at the conclusion of each presentation from which exam questions will be drawn. Laboratories will be devoted to skills acquisition using animal materials initially, and then continue with prosection work on human specimens. Three hours of supervised dissection time will be provided each week. Students will have additional access to the lab in order to complete their prosection. Evaluation will be based on a prosection plan, midterm exam, final exam, peer assessment and the quality of the specimen produced. For the final presentation, completed specimens should be accompanied by an electronic format teaching module, which may include labeled diagrams, imaging studies (radiographs, MRI’s, PET scans), and explanatory text. A camera will be provided during lab hours to allow students to document their progress. In accordance with Department of Anatomy regulations, cell phone photos are not permitted. The ability to collaborate with group members, communicate effectively with the class, think critically and creatively will lead to success in this course. Decision making skills will also be encouraged.

Evaluation:

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<tr>
<th>Percentage</th>
<th>Description</th>
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<tbody>
<tr>
<td>5%</td>
<td>Prosection plan</td>
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<tr>
<td>20%</td>
<td>Midterm (based partially on student submitted questions)</td>
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15% Peer evaluation (fellow students / instructor for contribution to group)
30% Final (based partially on submitted questions and a “bell ringer”)
30% Quality of specimen produced

Resources:
Recent surgery and pathology texts may also be helpful.

A dissection kit is required. Suitable kits are available in the Health Science bookstore.

Contact Information:
Email: tjackson@McMaster.Ca
Office hours: ½ hour before and after lectures; other times available by appointment.