Anatomy 530
Combined Histology & Oral Microanatomy

Fall Semester 2003

Lectures
Tuesdays and Thursdays, 1-3 p.m.
HS115 (unless otherwise noted)

Self-Instructional Lab Sessions
Tuesdays and Thursdays, 3-5 p.m.

Course Website
www.uky.edu/~brmacp/ana530.htm

Course Faculty

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# Lecture Schedule - 2003

<table>
<thead>
<tr>
<th>Session</th>
<th>Day</th>
<th>Date</th>
<th>Lecture Topic</th>
<th>Lecturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tues</td>
<td>8/12</td>
<td>Cy tology</td>
<td>BRM</td>
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<tr>
<td>2</td>
<td>Thur</td>
<td>8/14</td>
<td>Epithelium</td>
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<tr>
<td>3</td>
<td>Tues</td>
<td>8/19</td>
<td>Connective Tissue</td>
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<tr>
<td>4</td>
<td>Thur</td>
<td>8/21</td>
<td>Cartilage</td>
<td>BRM</td>
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<tr>
<td>5</td>
<td>Tues</td>
<td>8/26</td>
<td>Bone and Joints</td>
<td>MJD</td>
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<tr>
<td>6</td>
<td>Thur</td>
<td>8/28</td>
<td>Bone Development*</td>
<td>MJD</td>
</tr>
<tr>
<td>7</td>
<td>Tues</td>
<td>9/02</td>
<td>Bone Remodeling</td>
<td>MJD</td>
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<tr>
<td>8</td>
<td>Thurs</td>
<td>9/04</td>
<td>* Exam I (20% of grade)</td>
<td>1-4 pm</td>
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<tr>
<td>9</td>
<td>Tues</td>
<td>9/09</td>
<td>Muscle</td>
<td>SA</td>
</tr>
<tr>
<td>10</td>
<td>Thurs</td>
<td>9/11</td>
<td>Blood/Lymph Vessels</td>
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<td>11</td>
<td>Tues</td>
<td>9/16</td>
<td>Blood &amp; Hemopoiesis</td>
<td>BRM</td>
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<tr>
<td>12</td>
<td>Thurs</td>
<td>9/18</td>
<td>Nerve Tissue</td>
<td>BRM</td>
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<tr>
<td>13</td>
<td>Tues</td>
<td>9/23</td>
<td>Nerve Tissue**</td>
<td>BRM</td>
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<tr>
<td>14</td>
<td>Thur</td>
<td>9/25</td>
<td>Lymphoid Organs</td>
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<td>15</td>
<td>Tues</td>
<td>9/30</td>
<td>Integumentary System</td>
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<tr>
<td>16</td>
<td>Thur</td>
<td>10/02</td>
<td>** Exam II (20% of grade)</td>
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<tr>
<td>17</td>
<td>Thur</td>
<td>10/09</td>
<td>Digestive System</td>
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<tr>
<td>18</td>
<td>Thur</td>
<td>10/16</td>
<td>Digestive System</td>
<td>BRM</td>
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<tr>
<td>19</td>
<td>Thur</td>
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<td>Urinary System</td>
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<td>Thur</td>
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<td>Respiratory System***</td>
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<td>21</td>
<td>Tues</td>
<td>11/04</td>
<td>Endocrine System</td>
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<td>22</td>
<td>Thur</td>
<td>11/06</td>
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<td>23</td>
<td>Tues</td>
<td>11/11</td>
<td>Reproductive Systems</td>
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<tr>
<td>24</td>
<td>Thur</td>
<td>11/13</td>
<td>Oral Mucosa &amp; Glands</td>
<td>BRM</td>
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<td>25</td>
<td>Tues</td>
<td>11/18</td>
<td>Tooth Development****</td>
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<tr>
<td>26</td>
<td>Thur</td>
<td>11/20</td>
<td>Dental Pulp</td>
<td>BRM</td>
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<tr>
<td>27</td>
<td>Tues</td>
<td>11/25</td>
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<tr>
<td>28</td>
<td>Tues</td>
<td>12/02</td>
<td>Dentin/Mineralization</td>
<td>BRM</td>
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<tr>
<td>29</td>
<td>Thur</td>
<td>12/04</td>
<td>Enamel</td>
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<td>30</td>
<td>Tues</td>
<td>12/09</td>
<td>Cementum</td>
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<tr>
<td>31</td>
<td>Thur</td>
<td>12/11</td>
<td>Periodontal Ligament</td>
<td>BRM (MN463)</td>
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<td></td>
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<td>Dentinogingival Junction</td>
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<tr>
<td>32</td>
<td>Tues</td>
<td>12/16</td>
<td>Exam V (20% of grade)</td>
<td>1-4 pm</td>
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Anatomy 530 - Evaluation of Performance

All the information written here, plus other value-added materials can be found in the ANA 530 course web site: http://www.uky.edu/~brmacp/ANA530.htm
Bookmark this site as exam statistics, etc. will be posted here throughout the fall 2003 semester.

1. Course Format

Anatomy 530 has two primary components; lecture and laboratory.

i) Lectures

Lectures will usually run 90 minutes consisting of two 40-50 minute sessions with a 10 minute break in between. Attendance at lectures is mandatory. Three unexcused absences drops your final grade 10%.

The Lecture Notes contain Learning Objectives for each lecture subject. These objectives are designed to help you focus your study time on the most likely material to be tested. Memorizing the answers to the Learning Objectives is no guarantee of excelling on the exam as material can be tested in many formats. However, they are excellent for assessing your knowledge of the material being examined. The use of color is integral to learning in anatomy. It will be useful to you to bring colored pencils or a pen with multi-colored refills to lecture. Structures are often labelled only ONCE and that color is re-used on subsequent diagrams.

ii) Laboratories

Following each lecture topic there will be a review of the highlights of the best images in the lab session for that particular topic. The remainder of the assigned laboratory time has been set aside for full examination of the laboratory material presented in the slide carousels or CD-based versions of the lab sessions. During scheduled lab periods (Tuesdays and Thursdays 3-5 p.m.) the course director will be available in his office to answer questions pertaining to the lab or lecture.

Memorizing the images contained within the lab sessions is no guarantee of passing the lab exam. The labs are designed to help you identify the features of a cell or tissue used to distinguish it. You should use a color atlas of histology or any other on-line programs as self-testing devices. Images used on the practical portion of the exams will not be from your lab sessions. It is critical that you be able to distinguish cells and tissues based on their structural and/or organizational appearance.
2. **Scope of Material Covered by Examinations**

The written and laboratory exams are designed to complement each other. They cover any material presented in lecture or contained in the lab manual. *Your exams will not be returned to you.* Once corrected, you are encouraged to look over your exam and have any questions on marking answered by stopping by the course director's office. *You have until the next exam in the course to have any alterations made to your grade after each exam.* If you failed to pass the exam, or performed marginally, you will be required to see the instructor and go over your exam.

3. **Written Examinations**

The written examinations are designed to evaluate factual information, particularly emphasizing your comprehension of basic concepts and their application. Due to the nature of the material, exams may be considered to be cumulative. Exam formats vary. Multiple choice questions are not strongly emphasized. Questions designed to integrate material and/or exhibit knowledge of basic concepts predominate.

4. **Practical Examinations**

A 50 minute/50 question timed practical exam (1 question projected per minute) will be administered immediately prior to each written exam. The practical is designed to: i) assess your ability to recognize cells and tissues based on their structural and/or organizational characteristics, and ii) emphasize the significance of relationships of cells to their activities in the body (relationship of structure to function).

5. **Examination Schedule - 2003**

A full listing of the examinations in ANA 530 can be found in the weekly schedule at the first of this section. The course contains five exams. Each exam will have a written component (worth 50%) and a lab practical component (worth 50%). Each of the five exams is worth 20% of the course total grade.

6. **Grades/Final Grades**

*All grades in the course will be reported to you individually by e-mail.* The final grade in this course is a cumulative total of your performance on Exams I-V. In accordance with the College of Dentistry grading format, final marks will be recorded as A, B+, B, C, or unsatisfactory (U/E). The grade breakdown is as follows:

- **A** - 89.6% or better
- **B+** - 83.6 to 89.5%
- **B** - 75.6 to 83.5%
- **C** - 70 to 75.5%
- **E** - less than 70%
Interim grade reports throughout the semester are submitted to the Academic Performance Committee of the College of Dentistry.

Academic performance in ANA 530 should not be taken lightly. An unsatisfactory grade will require remediating the course in July of next year - IF the College of Dentistry’s Academic Performance Committee (APC) and/or Dean of the College of Dentistry deem it allowable. If remediation is allowed by the APC, it will take the form of a retake examination, and certain departmental regulations apply to all students enrolled in departmental courses:

Currently, all departmentally-administered anatomy courses for dental students utilize a passing grade of 70%. A student receiving a final grade between 59.5 and 69.5% will receive a failing grade, but be allowed to sit a retake examination in July of that academic year (if permitted by the APC and/or Dean of the College of Dentistry). A student obtaining less than 59.5% will receive a failing grade and any stipulations on retaking the course the following year will be dependent on the decisions of the APC and/or Dean of the College of Dentistry. In all courses the retake examination will be comprehensive and if a laboratory is offered, will include written and lab practical portions. The student must get a combined average of 70% in the retake to have successfully passed the retake exam. Regardless of the grade obtained on this exam, the student will receive the lowest passing letter grade utilized by the college.

7. Making up a Missed Examination

Missed exams must be made up as soon as possible after the exam date. Both practical and written components will be administered. Only valid excuses will allow an individual to take a make-up examination. Lack of a valid excuse will result in a grade of 0 (zero) on that exam. A valid excuse for an absence must be in compliance with the University Senate rule on excused absences. Briefly they are:

1. Illness of the student or serious illness of a member of the student’s immediate family. A note from the Health Service stating you visited or were treated there is not appropriate verification. The physicians name must be presented along with permission to contact that individual to verify you were too ill to take the examination.

2. The death of a member of the student's immediate family. Appropriate verification will be requested.

3. Trips for members of student organizations sponsored by an academic unit, trips for university classes, and trips for participation in intercollegiate athletic events. When feasible the student must notify the instructor prior to the occurrence of these absences. In no case will such notification occur more than one week after the absence. Formal notification from appropriate university personnel will be required to verify the student's participation in such trips.
4. Major religious holidays. Students are responsible for notifying the instructor in writing of anticipated absences due to observance of such holidays no later than the last day for adding a class.

If you will not be able to take an exam, you are responsible for contacting either the course director (323-5539), or the Office of Student Affairs, who will contact the director. As soon as possible after your return to classes, you should contact the instructor concerning the scheduling of your make up exam.

** If you know at this point, that you will not be able to take an examination on the scheduled date, for any reason, please talk with Dr. MacPherson as soon as possible. There are many “excuses” not outlined in the University Senate Regulations that I consider suitable for rescheduling an exam - but only if it is not left until the last minute. Exam dates rarely change due to new restrictions in the College of Dentistry.

8. Professionalism

At this point in your academic career you have just entered a professional undergraduate program. To describe someone as a “professional” is to acknowledge the many traits and abilities exhibited by an individual that are consistent with professionalism. As a class of professional undergraduate students it goes without saying that certain behaviors create the decorum of the classroom. One important ingredient in professionalism is civility. Faculty and students alike expect a certain degree of respect from each other, regardless of the similarity or divergence of viewpoint and irrespective of age or experience.

As faculty members assigned responsibility for this course we have been charged with ensuring the appropriate educational outcomes for you, both initially as well as further down the line in your board exams. One of the expected outcomes in every course is a professional attitude from you in response to being treated as future professionals in your chosen field. Instilling professionalism in our students early in their career path is designed to assure that they later treat both colleagues and patients in a professional manner, the lack of which can severely compromise their future in both personal and financial ways.

Professional classroom decorum involves the participation of both faculty and students alike. While we endeavor to treat you as mature, responsible individuals we expect you to behave in a professional manner. Classroom behavior regarded as unprofessional includes:

- habitual tardiness
- talking during lecture
- reading newspapers/doing crossword puzzles
- napping/sleeping
- allowing your cell phone or pager to ring audibly
- using smokeless tobacco
- creating an adversarial atmosphere
9. Textbooks

**Required Materials** for this course are packaged in a course pack available at the Medical Bookstore on Rose Street:


**Recommended texts** to assist you in basic histology:


**Recommended texts** to assist you in oral histology:


10. Office Hours

As course director, Dr. MacPherson will generally be available to answer questions related to the course at any time he is not teaching another course.  *Times specifically set aside for Anatomy 530 students are:* Tuesdays and Thursdays 3 to 5 p.m.  To ensure I will in my office to answer your questions, reserve a time on the weekly calendar posted on my door.  *Please be considerate of others and book time in 30 minute allotments* unless it is an absolute necessity.  You can also book time in small groups for either lecture or lab material questions.
How to be SUCCESSFUL in this Course

There is an A R T to studying the information in this course and being successful on the exam. For smart studying you need to Absorb, Retain and Test yourself.

After each class, review the notes. If you don't review today’s lecture for several weeks, you will have forgotten 80 to 95% of it. After reviewing the days notes, summarize what the lecture was about. Make point form summaries to use for future review.

Be sure there is nothing in the notes that you don't understand. Can you answer the Learning Objectives? If there is material you don't understand, or Learning Objectives you can't answer, see the instructor before or after the next lecture and have your question answered. New material often builds on a base of pre-existing material. If you don’t understand the basics, the following material will be difficult to understand.

When it comes time to "cram" before the exam, a significant amount of material you don't understand will cause you to panic. This works against effective assimilation of material.

Understand the material, don’t simply memorize facts. If you don’t understand the concept, and are able to explain it to yourself or others, memorizing individuals facts about it will not help you pass the exam. Often questions are designed to indicate whether you understand the basic concepts involved in the structure and function of the organ system or process.

Multiple choice and short answer/fill-in-the-blank questions tend to test major concepts while mix and match questions test definitions and specific functions. Be sure you can list specific cells and functions of each in a system after you first explain the major concepts of its organization and structure as it relates to its function.

Review all your notes at regular intervals.
Please Read This Statement

All activities in this course are conducted under the College of Dentistry Code. The College of Dentistry has high expectations of each student concerning their professional and academic responsibilities, including self-governance. If you have questions about expected standards of behavior, it is your responsibility to discuss and clarify these questions with the course director.