Scin 103.001: Integrated Sciences III
MWF 10:30-11:30 am, Sci 218

Instructor: Jocelyn Elson-Riggins    Phone: 657-1645    Fax: 657-2342
Office: Sci 118                     Email: jelsonriggins@msubillings.edu
Office Hours: MWF 9:20-10:20 or by appointment.

Instructor: Steven Wiles            Phone: 657-1648    Fax: 657-2342
Office: Sci 131                     Email: swiles@msubillings.edu
Office Hours: M 2-3, T 12-1 & 3:40-4:40, R 5-6, F 2-3
    Also, whenever my door is open or by appointment.

Course Websites:
Dr. Elson-Riggins: http://www.msubillings.edu/ScienceFaculty/Elson-Riggins/
Dr. Wiles: http://www.msubillings.edu/ScienceFaculty/Swiles/Scin102-103.htm

Course Description and Objectives:

This course is not intended to turn you into a scientist. It will, however, introduce you to
the principles of biological and physical sciences and enable you to understand and discuss
current issues in science. You will also learn about scientific reasoning, how to interpret
scientific data, and critical thinking.

Course Requirements:

To pass this course you must attend lectures. Attendance will be monitored
periodically and will be taken into account when determining your final course grade. You will
be expected to read the assigned sections of the textbook. These reading assignments will be
announced prior to lecture. To summarize, your success in this class will be dependent on
attending lecture, taking detailed notes during the lecture, reading the text and attempting
questions in the book and on the text web sites, attending review sessions, and doing the practice
exams. Your final grade will be based on your performance on the eight quizzes and four
examinations administered in this course.

Quizzes will be composed of ten multiple-choice questions. To be successful in the
quizzes, it will be necessary to attempt all the questions at the end of the text chapters and
all the questions on the text web sites. The quizzes will be administered at the beginning of the
lecture hour. Students arriving after the quiz has been distributed will not be permitted to
take it.

Each exam may be composed of multiple choice, matching, true/false, and short answer
questions. Students will be informed beforehand what course material they can expect to be
covered on an exam. Any material that is not covered in class will still be the student’s
responsibility to know for the exam. Study guides and practice exams will be posted on the class
web sites (see above) prior to the actual examination. It is very important that you attempt the
practice exams (do them under exam conditions – time yourself!) and ask for help if you have
trouble with the practice questions. The practice exams will be similar (but not the same!) as the real exams. Therefore, if you have trouble with the practice exams you will also have trouble with the real exams. Review sessions will be offered during the time scheduled for laboratory (see lab syllabus). Review attendance is not mandatory, but it is highly recommended. However, if you attend the review session, you will be required to have attempted the appropriate practice exam before hand.

Exam dates are tentative and will depend on the progress of the course. Any changes in date will be announced in lecture. The first three exams will be administered during regular lecture time. The fourth exam will be administered during the time allotted for the course final exam. All four exams will be of the same length, and there is no comprehensive final examination.

Late Assignments:
Make-up exams will not be given without prior approval from the instructors and will only be permitted in dire circumstances beyond your control. If an exam is missed due to illness, a note from a physician will be required for a make-up exam to be administered. There will be no make-up quizzes under any circumstances.

Extra Credit:
There will be extra credit questions on the exams. However, extra credit assignments will not be given – so please do not ask for them!

Grades and Point Breakdown:

<table>
<thead>
<tr>
<th></th>
<th>Points</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>80 pts</td>
</tr>
<tr>
<td>Exams</td>
<td>400 pts</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>480 pts</td>
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Letter grades in the course will be based on the following scale:

- A = 90%-100%
- B = 80%-89%
- C = 65-79%
- D = 50-64%
- F < 50%

Letter grades will be appended with a + or - at the instructor's discretion.

Course Topics:

1. Macromolecules
2. Cell Biology
3. Electricity and Magnetism
4. Thermodynamics
5. Photosynthesis and Respiration
6. Mitosis & Meiosis
7. Genetics & DNA Technology
8. Radiation
9. Geology & Fossil Record Dating
10. Evolution
11. Disease
12. Pollution
Course Schedule (tentative):

Jan 23    Quiz #1
Jan 30    Quiz #2
Feb 3     Exam #1
Feb 10    Quiz #3
Feb 20    President’s Day (no lecture)
Feb 22    Quiz #4
Mar 3     Exam #2
Mar 4-12  Spring Break (no lecture)
Mar 15    Quiz #5
March 24  Quiz #6
March 31  Exam #3
Apr 10    Quiz #7
Apr 14    Spring Mini-Break (no lecture)
Apr 21    Quiz #8
Apr 28    University Day (no lecture)
May 1     Exam #4 (administered from 10:00-11:50 am)

POLICY ON ACADEMIC HONESTY: It is your responsibility to familiarize yourself with the Student Handbook. In particular, you should understand Part IX: Code of Conduct, paying special attention to subsection B.1, page 78 (Academic Misconduct). All students are expected to adhere to the highest standards of academic honesty and refrain from any action that is dishonorable or unethical. In all examinations, quizzes, and lab reports, students are expected to submit their own work entirely. Cheating or alleged cheating on an exam or quiz in this class will result in a grade of zero (failure) for the exam or quiz involved, and may lead to a zero in the course.

POLICY ON STUDENT CONDUCT: Students are expected to be attentive during lecture and to ask questions. Disruptive behavior such as loudly talking amongst yourselves, ringing cell phones, talking on cell phones, and reading non-course material during lecture will not be tolerated. Any students indulging in such behavior will be asked to leave the class. Cell phones must be turned off prior to lecture.

Occasionally, a student will have a disagreement with the professor or with the teaching assistants over an issue of grading. Such discussions, whether in class or in office, are to be kept civil. Verbal abuse in any form will NOT be tolerated. Any student indulging in such behavior will be reported to the Dean of Arts and Sciences and The Office of Student Affairs.

DISABILITY SUPPORT SERVICES: Students with documented disabilities, whether physical, learning, or psychological, who believe that they may need accommodations in this class, are encouraged to contact Disability Support Services as soon as possible to ensure that such accommodations are implemented in a timely fashion. Please meet with [DSS] staff to verify your eligibility for any classroom accommodations and for academic assistance related to your disability. Disability Support Services is located in the Academic Support Center, 657-2283 and the College of Technology, 247-3029.