General Information

Pre-requisites: Math 1201, Math 2337, Biol 3210, Biol 3211

Class Room and Meeting Times and Dates: Dickinson Hall 1143; Thursday 1:30-4:00

Instructor: Dr. I.R. Isquith

Office Location and Office Hours: Th 10-12 and 4-5 and by appointment; Dickinson Hall 4460

Telephone with voice mail: 201-692-2395

Email Address: isquith@fdu.edu

Course Description

Evolutionary biology at all levels of organization (molecular to societal). Established principles of evolution, why and how evolutionary reasoning follows from the scientific method.

Text and Materials

No required text

Course Objectives

The objectives (goals) of this course are for the student to become competent in knowledge of evolution and its component areas: Geologic time, Historical Development of evolutionary thought, Mechanism and Evidence for evolution, Genetics, Microevolution, Speciation, Macroevolution, Human evolution. In addition, you will learn to organize and present information both orally and in writing.

Teaching Methodologies/Activities

1. Modes of instruction:
   a. Instructor:
      i. Power point supported lectures
      ii. Video presentations
      iii. Moderated discussions
   b. Students
      i. Study the chapters on evolution in any current, introductory biology text. I will confirm for you, which chapters are appropriate for you to study. These materials will be tested via a multiple choice exam. You will have three weeks for this activity.
      ii. Weekly student-led discussions of the topic assigned for that week. The leader(s) will provide whatever background they feel necessary to provide an introduction to the subject. A class-wide discussion should be developed. All students in the class will have done the appropriate internet work (including answering questions) of assigned web sites, so those questions should be worked into the discussion. However, the discussion should not be limited to simply asking the class to answer those questions.
      iii. Weekly written assignments based on assigned web sites.
      iv. Trip to the American Museum of Natural History.

2. The following will be used to assess student learning:
   a. Classroom participation
   b. Graded reports
   c. Lecture Exams
      i. Each exam will predominantly cover the material taught since the previous exam (see the course outline). However, due to the nature of the subject matter, all materials from earlier in the semester will be needed as a foundation for the more advanced topics. On tests, you are responsible for all the material covered in class, whether or not you were present. Therefore, you should ask your classmates and instructor to go over any work you missed.
      ii. If you miss an exam and do not have a documented, legitimate excuse, you will receive a zero for the test.
iii. If you miss an exam and have a documented excuse, you will be given a makeup exam. Makeup exams will be scheduled as soon as possible after the date of the missed exam. If the makeup is not taken at the scheduled time, it will be averaged into your course grade as a zero.

3. Grade
   a. Test I - 20%
   b. Test II - 20%
   c. On-line assignments and AMNH report - 20%
   d. Class participation, including discussion leadership - 20%
   e. Final - 20%

This average will then be placed on the following scale for your grade:

<table>
<thead>
<tr>
<th>Grade</th>
<th>A</th>
<th>100-92</th>
<th>B+</th>
<th>88-86</th>
<th>C+</th>
<th>78-76</th>
<th>D</th>
<th>68-60</th>
<th>F</th>
<th>59-0</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-</td>
<td>91-89</td>
<td>B-</td>
<td>81-79</td>
<td>C-</td>
<td>71-69</td>
<td>D-</td>
<td>67-60</td>
<td>F-</td>
<td>58-0</td>
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</tr>
</tbody>
</table>

Rules and Regulations

Attendance and lateness policy:
Students are responsible for all material missed due to absence and or tardiness. Since students entering a class, once the class is in session, are disruptive, admission may be denied to frequent offenders. Class participation is a crucial component of your learning experience. Therefore attendance is required. Your grade may be lowered for unexcused absences.

Academic Integrity Policy:
Students enrolled at Fairleigh Dickinson University are expected to maintain the highest standards of academic honesty. Students have the responsibility to each other to make known the existence of academic dishonesty to their course instructor, and then, if necessary, the department chair, or the academic dean of their college. Course instructors have the added responsibility to state in advance in their syllabi any special policies and procedures concerning examinations and other academic exercises specific to their courses. Students should request this information if not distributed by the instructor.

Academic dishonesty includes, but is not necessarily limited to, the following:
1. Cheating-Giving or receiving unauthorized assistance in any academic exercise or examination. Using or attempting to use any unauthorized materials, information, or study aids in an examination or academic exercise.
2. Plagiarism-Representing the ideas or language of others as one's own.
3. Falsification-Falsifying or inventing any information, data, or citation in an academic exercise.
4. Multiple Submission-Submitting substantial portions of any academic exercise more than once for credit without the prior authorization and approval of the current instructor.
5. Complicity-Facilitating any of the above actions or performing work that another student then presents as his or her assignment.
6. Interference-Interfering with the ability of a student to perform his or her assignments.

Sanctions: Any student violating academic integrity will, for the first offense, receive one or a combination of the following penalties imposed by the faculty member:
1. No credit (0) or Failure for the academic exercise.
2. Reduced grade for the course.
3. A failure in the Course.
4. Recommendation for Academic Probation to the dean of the college in which the student is registered.

The instructor shall file a notice of the penalty in the student’s file maintained in the campus Office of Enrollment Services. In cases of interference and complicity, whether or not the student is registered in the affected course, the incident and penalty shall be recorded in the student’s file maintained in the campus Office of Enrollment Services. For a subsequent violation of academic integrity, a student will be subject to any combination of the above sanctions, and, after due review by the academic dean according to the procedures below, one of the following:
1. Suspension from the University for one year. Readmission will be contingent upon the approval of the academic dean.
2. Dismissal from the University
3. Dismissal from University identified on the student’s academic transcript as a result of a violation of the Academic Integrity Policy.