

COURSE OUTLINE AND SYLLABUS

TEXT: *The Scott, Foresman Handbook for Writers.*
Handouts will be given to supplement lecture materials.

GOALS: This course attempts to address several of the Catholic/Marianist values that form the foundation of a Chaminade education. Some goals are more readily achieved than others. Some are perfectly suited to this course. The objectives below are a reflection of these values.

1. To present the methods and the means used to prepare and present a research topic or problem, such as consideration in the selection of a suitable topic.
2. To learn about the literature of the life sciences, such as abstracts and journals and ways to obtain information from the literature.
3. To prepare a bibliography for a research problem or topic.
4. To analyze and critique the use of literature in the life sciences.
5. To present orally a seminar incorporating techniques of experimental design data evaluation, error analysis, and question-answer with audio-visual methods.
6. To inform students of career/professional methods, such as resumes, financial aid, and research funds.

PROJECTS: To accomplish the above goals, the student will complete the following projects:

1. Abstract Preparation: abstracting a journal article.
2. Resume Preparation: preparation of a resume by each student.
3. Journal Selection and Analysis: selection of journal in specified fields of biology with reasons for selection.
4. Protocol and/or Experimental Design: preparation of a protocol for research including experimental design.

5. Biography of Scientists: obtaining biographic information on assigned professionals in biology.
6. Audio-Visual Preparation: complete audio-visual materials for a seminar, with Power Point considerations.
7. Oral presentation: complete a seminar with appropriate materials and methods.
8. Bibliography: prepare a bibliography on a topic selected by the students.
9. Financial Aid Listing: complete a listing of sources of funds for students.

GRADING: Grades will be determined in the following manner:

1. Projects- 5% each
2. Attendance- 20%
3. Quizzes- 20%
4. Seminar Presentation- 25%

GRADING SCALE:

A= 90%
 B= 80%
 C= 70%
 D= 65%
 F= 60%

COURSE OUTLINE

<u>DATE</u>	<u>TOPIC/ASSIGNMENT</u>
8/26/02	Introduction Abstract Project
9/2/02	HOLIDAY – LABOR DAY
9/9/02	Research Libraries and Cards Primary and Secondary References Resumes Resume Project ABSTRACT PROJECT DUE
9/16/02	Primary and Secondary Reference Journal Selection Journal Selection and Analysis Project RESUME PROJECT DUE
9/23/02	References and Biography of Scientist Biography of Scientist's Project JOURNAL PROJECT DUE
9/30/02	Financial Aid Searches Financial Aid Listing Project- Searching the Literature BIOGRAPHY PROJECT DUE
10/7/02	Introduction, Methods and Materials Proposal Project Mid-Term Assessment FINANCIAL AID PROJECT DUE

10/14/02	HOLIDAY – DISCOVERER'S DAY
10/21/02	Results, Discussion and Bibliography Protocol Project PROPOSAL PROJECT DUE
10/28/02	Bibliography Bibliography Project PROTOCOL PROJECT DUE
11/4/02	Purchasing Purchasing Project BIBLIOGRAPHY PROJECT DUE
11/11/02	HOLIDAY – SPRING BREAK
11/18/02	Seminar Presentations PURCHASING PROJECT DUE
11/25/02	Presentations
12/2/02	Presentations Assessment