



# Master Course Syllabus

BIOLOGY 1101  
Introduction to Biomedical Sciences

CIP # 26.0101.7203  
CIP Area: Life Sciences

December, 2000

Prepared by:

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Brenham Campus / Date

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Vice President Academic Affairs / Date

**BIOLOGY 1101**  
**Introduction to Biomedical Sciences**  
**A Core Curriculum Course**

**Purpose Statement**

The purpose of BIOL 1101 is to provide students who are interested in pursuing careers in biomedical sciences or related fields an opportunity to explore the career options that are available to them. This is an elective seminar course.

**Course Description**

The course explores career opportunities and academic requirements in the biomedical sciences and related fields including applied biology, various professional programs, and the allied health industry. A seminar approach will be used. The course is designed to assist students interested in careers in such fields as: dentistry, medicine, pharmacy, physical therapy, nursing, occupational therapy, veterinary medicine and so on. One class hour per week. Credit: One semester hour.

**Course Objectives and Student Learning Outcomes**

Upon completion of the course the student will have:

1. become familiar with career opportunities available in biomedical sciences and related fields.
2. met and participated in discussions with professionals in a number of these areas.
3. explored career fields of particular interest by meeting with and observing professionals in those areas.
4. been provided with an opportunity to develop a realistic knowledge of the professional or allied health career and the academic preparation necessary to enter the profession or other school including minimum entrance requirements.
5. contacted specific institutions to learn of the current admission requirements for the career of interest including academic preparation, volunteer hours in the field and so on.

**Course Requirements**

All interested students may enroll in this practical course for exploring health-related careers.

**Learning Activities**

This course will provide students with an opportunity to explore professional and other careers related to health and medicine which are of interest to them as well as to identify alternative career paths. Upon completion of this course the student will have a thorough, realistic knowledge of specific career choices. The students will also have been introduced to a number of skills necessary to succeed in college as well as in professional and other programs in health and medicine.

Learning activities will primarily focus on speakers invited by the instructor from different professional and other areas to address the students. Student discussions will be an integral part of this course. Additional teaching techniques such as elective visits by students to professional and other schools will also be employed.

The primary learning activity will provide students with an opportunity to meet professionals and others currently practicing in specific fields. The students will be required to complete specific assignments which further explore areas of particular interest to them. This will include interviews, writing reports which explore various aspects of the field, contacting an institution which offers the program to determine the current admission requirements, developing a portfolio for a particular profession or related field, and so on.

### **Grading System**

Course evaluation instruments shall consist of at least four principal grades including the comprehensive final examination. Other evaluation methods may include quizzes, homework, and projects.

Major Assignments will include:

1. Interviewing at least one individual currently practicing the student's chosen career field and a second interview with at least one person currently practicing in an alternative related field.
2. Developing a portfolio which includes the Blinn College degree requirements, transfer requirements for a specific institution of interest, information on the specific entrance requirements for the career of interest, and other pertinent information such as deadlines, etc.
3. Writing a paper discussing the reasons why the student has chosen a particular career in medicine or one of the allied health fields. The paper will also include a discussion of all aspects of this career choice. This will include the minimum academic requirements, volunteer hours, time demands, financial requirements, etc.
4. Preparing a five to ten minute oral presentation for the class on some aspect of one of the above assignments.
5. Attending class regularly and participating actively in classroom discussions.

Grades are based on percentage:

- 100-90% A
- 89-80% B
- 79-70% C
- 69-60% D
- 59-00% F

### **Outcomes Inventory**

Biology 1101 will be evaluated using the following measures:

1. Grade distribution. Course grades will be compared to current and previous semesters.
2. Tracking of students into Chemistry 2423, Biology 2401, 2402 or 2421 at Blinn College after one or two years.
3. Transferability: The transferability of BIOL 1101 to TAMU as BIMS 101 will be checked annually.

4. This course is reviewed every three years by the THE Coordinating Board as a Unique Need course.

**Calendar**

A daily schedule, which includes all student learning outcomes will be included in each instructors first day information sheet.

**Materials**

Required Materials:

Each student will need a three ring binder for the course portolio. There is no textbook for this course.

Optional Materials:

None.