BIOMED 2110  **Biomedical Terminology (3 cr)**

**COURSE PROFILE**

Course Description Life science etymology (Greek for “true meaning”, means the study of word derivation) taught by classroom presentation and discussion. The course organization is based primarily on common themes of Greek and Latin terms along with historical reasons for current usage. The application of these terms is for all biomedical sciences and life sciences.

Class sessions will involve introduction of Greek and Latin terms with pronunciation exercises and illustrated examples of current usage in PowerPoint or live demonstrations. Historical origins and current usage will be incorporated whenever possible.

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Major Objectives To enable the student at the end of the course to:

recognize and correctly pronounce Greek and Latin terms, root words, or word fragments currently used in the life sciences improve their spelling of life science terms deduce the probable meaning of new terms

Prerequisites Sophomore standing

Delivery 100% online except for proctored exams for MU campus students which are taken at noon in the College of Veterinary Medicine’s computer laboratories on some Monday, Wednesday, or Fridays (see Exam Schedule).

Organization Course materials are located under the left-hand tab in the course Blackboard site under “Units”. “Sessions” are found under “Units” and “Modules” under “Sessions. Further directions are provided in Blackboard.

Recommended Materials Dorland’s Medical Dictionary and Haubrich WS. Medical Meanings, 2nd edition, 2003, American College of Physicians, Philadelphia, PA are recommended but not required.

**EVALUATION OF**

**STUDENT**

**PERFORMANCE**

Satisfactory

Performance There will be 800 possible points. More than 480 points are required for a passing grade. Six proctored exams will provide a total of 500 points (the lowest score of 6 exams will be dropped). The remaining 300 will be based on a syllabus quiz (10 points), contributing to course journals (190 points), and at the end of the course submitting a “Dynamic List” of words with definitions from your reading assignments (100 points). The instructor reserves the authority to adjust final grades if no student achieves 100% of possible points in the course. Students with less than 71% at mid-term will receive a warning. Grades will be available in Blackboard. To insure confidentiality, they will not be sent by e-mail.

Exams and Quizzes Exams are available only under the supervision of a proctor. Fifty minutes will be allowed for exams.

A quiz is not proctored, but you are expected to complete the quiz by yourself. The quiz is timed so that you will not have time to rely on reference materials, i.e. it is not open-book quizzes.

If you take more time than the quiz or exam allows, your score will be deducted the points of one question each minute in overtime.

You may take a quiz or exam only once. You must complete the exam or quiz once you start it. You may NOT come back to the quiz later. If you are disconnected during an exam, contact the instructor immediately and then send an e-mail to blackboard@missouri.edu with your name, username, course name, title of the quiz or exam, and a description of the problem. To ensure your answers are logged, click “Save” at the bottom of the page every 2 to 3 questions. Click “Submit” after you have reviewed your answers to have the quiz or exam graded.

Scoring of Assignments In addition to exams and quizzes, students will be scored on course participation by submitting journals. Journals will be graded within 48 to 72 hours after a reading assignment and left up for student reflection. Grades will be based on the entered information within 48 hours of having a reading assignment. Terms in journals must be from the readings and not used in previous journals, except for those previously listed and now being defined.

Grading The grading scale will be A to F, including some pluses and minuses but no A+, C+, C-, D+, or D-. Grades will be based on the following scale:

96-100% = A

91-95% = A-

88-90% = B+

84-87% = B

81-83% = B-

71-80% = C

61-70% = D

60% or less = F

Students with less than 71% at mid-term will receive a warning.

Final grades may be curved if no student achieves 100%.

NOTE: Practice quizzes at the end of the PowerPoints are not scored for determination of grades for the course.

Note: A Certificate in Biomedical Technology requires at least a “C” grade in this course, plus a total of 15 cr hr BIOMED courses with an average GPA in all BIOMED courses of 3.0.

**COURSE**

**SCHEDULE**

|  |  |  |  |
| --- | --- | --- | --- |
| Units | Sessions/ Weeks:Dates) |  | Modules |
| 1- Etymologic Foundations I | 1 |  | 1 - Syllabus, Objectives, General Terms |
|  |  |  | 2 - Colors and Temperature |
|  | 2 |  | 3 - Numbers, Medical Degrees |
|  |  |  | 4 - Qualitative Size or Measure, Singles & Pairs |
|  |  |  | 5 - Shapes |
| 2 - Etymologic Foundation II | 3 |  | 6 - Shapes II, Mythology |
|  |  |  | 7 - Clothing & Accessories, Fabrics |
|  |  |  | 8 - **EXAM #1** |
|  | 4 |  | 9 - Animal Reference, Plants |
|  |  |  | 10 - Geology & Environment, Time, Day & Night |
|  |  |  | 11- Cavities & Covers, Openings & Communications |
| 3 - Etymologic Foundation III | 5 |  | 12 - Membranes & Partitions |
|  |  |  | 13 - Birth, Age, Change |
|  |  |  | 14 - Death, Decay, Wasting, Growth |
|  | 6 |  | 15 - Attack-Protect, Good-Bad, Same-Different |
|  |  |  | 16 - **EXAM #2**  |
|  |  |  | 17 - Together-Apart, Receptacles |
| 4 - Etymologic Foundation IV | 7 |  | 18 - Fluids |
|  |  |  | 19 - Food, Pain |
|  |  |  | 20 - Sleep, Feelings, Human Relations, Identity |
|  | 8 |  | 21 - Mental, Actions I |
|  |  |  | 22 - Actions II |
|  |  |  | 23 - Consistency |
| 5 - Etymologic Foundation V and Body Systems I | 9 |  | 24- **EXAM #3**  |
|  |  |  | 25 - Directions |
|  |  |  | 26 - Location, Position |
|  |
|  | 10 |  | 27 - Body Parts |
|  |  |  | 28 - Musculoskeletal System, GI System |
|  |  |  | 29 - Urinary System |
| 6 - Body Systems II | 11 |  | 30 - Cardiovascular System |
|  |  |  | 31 - Respiratory System |
|  |  |  | 32 - Integumentary System (Dermatology) |
|  | 12 |  | 33 - **EXAM #4**  |
|  |  |  | 34 - Endocrine System |
|  |  |  | 35 - Reproductive System |
| 7 - Body Systems III and Medical Disciplines | 13 |  | 36 - Nervous System |
|  |  |  | 37 - Ears & Eyes |
|  |  |  | 38 - Hematologic, Lymphatic, Immune Systems |
|  | 14 |  | 39 - Microbiology, Parasitology |
|  |  |  | 40 - Pathology, Pharmacology |
| 8 - Biomedical Instruments |  |  | 41 - Biomedical Instruments |
|  | 15 |  | 42 - Common Eponyms |
|  |  |  | 43 - **EXAM #5** |
|  |  |  | **FINAL EXAM** |