



Western Washington University
Western CEDAR

WWU Honors College Senior Projects

WWU Graduate and Undergraduate Scholarship

Spring 2023

Linguae Biologiae: Biomedical Terminology and its Real World Applications

Sydney Wong

Follow this and additional works at: https://cedar.wwu.edu/wwu_honors



Part of the [Biological and Physical Anthropology Commons](#)

Recommended Citation

Wong, Sydney, "Linguae Biologiae: Biomedical Terminology and its Real World Applications" (2023). *WWU Honors College Senior Projects*. 656.

https://cedar.wwu.edu/wwu_honors/656

This Project is brought to you for free and open access by the WWU Graduate and Undergraduate Scholarship at Western CEDAR. It has been accepted for inclusion in WWU Honors College Senior Projects by an authorized administrator of Western CEDAR. For more information, please contact westerncedar@wwu.edu.

Example Syllabus

Biomedical Terminology III: Utilizing Biomedical Language

1. GENERAL

Instructor, contact information, office hours.

Class location and weekly schedule. (EX: MWF, 1.5-hour sessions)

Optional Extracurricular resources.

2. COURSE SUMMARY AND GOALS

This course focuses on applying the skills learned in Biomedical Terminology I and II to utilize biomedical language in practical settings. The introductory Biomedical Terminology series focuses on establishing the fundamentals of Greek and Latin roots in medicine through applied practice. Throughout the quarter, students will learn how to use roots to infer the meanings of medical terms, learn how to analyze medical language in a research paper, and develop skills to better understand reliable, peer-reviewed medical documentation.

This course aims to provide you with the following:

1. The ability to quickly recognize biomedical terminology through the knowledge of roots;
2. The understanding of literacy and language skills impact medical competency on a local and global scale;
3. Understanding the interdisciplinary significance between STEM and Linguistics

3. COURSE MATERIALS

1. REQUIRED:

- a. Bioscientific Terminology (Donald Ayers) – Textbook. Extensive overview of Greek and Latin root phrases in a scientific context. Contains 40 lessons, 20 for Greek and Latin each.
- b. Classroom Notebook for notetaking and in class assignments.

2. OPTIONAL, but recommended:

- a. Greek and Latin dictionaries. The [Logeion](#) website is a good online resource, however, requires a bit of user knowledge to be used efficiently. A tutorial will be given in class.

4. **ACADEMIC POLICIES**

1. **GRADING**

- i. Daily Work (in class): 40%
- ii. Homework: 40%
- iii. Research Assignment: 20%

2. **ASSIGNMENTS:**

- i. Daily work: graded based on attendance. Daily in-class work will primarily be comprised of worksheets and lessons from the textbook studying a set of Latin and/or Greek roots, defining the roots and finding examples of medical terminology using those roots.
- ii. Daily work: additionally, there will be in-class paper workshops teaching students to dissect and understand the main ideas of a short research paper (summary of the abstract, discussion, results, and conclusion sections). Paper workshops will be done in groups.
- iii. Homework: Independent application of in-class practice, students will choose a Latin or Greek root from that class period and research a disease, condition, or procedure associated with it. They will turn in a brief ½-1 page write up summarizing the main sections of the source(s) used, and a statement about why that source was chosen.

3. **TECHNOLOGY**

- i. Many resources in the biomedical field are in online publications, therefore students may have laptops and tablets with them during class for paper workshops. Homework and workshop assignments will be turned in via CANVAS.

Academic Honesty & Integrity

“Upholding Academic Honesty is integral to the educational mission of the University, particularly in assessment and recognition of student performance (e.g., meeting academic standards, conferring awards/degrees). Recognizing the intention of the University to promote and sustain a culture of integrity, this policy serves a key role as part of a comprehensive program to encourage behaviors of integrity and discourage violations of such behavior.”

- **Link to the policy on academic honesty:** <https://wp.wvu.edu/academichonesty/>
- **Link to the statement on Integrity at Western:** <https://provost.wvu.edu/about-integrity-western>

5. **ACCOMMODATION POLICIES**

Reasonable Accommodation Policy

“WWU is committed to inclusivity and accessibility. Students with disabilities will be provided equitable access to educational experiences and opportunities. Specific accommodations are determined through an interactive process between Western Washington University's Disability Access Center (DAC) and the student. The DAC, faculty, and staff have the responsibility of assisting in the implementation of accommodations. If you are a student with a disability and are experiencing one or more barriers while engaging with academics or campus life, you may be eligible for services through the DAC. If you are unsure if you have a disability or are experiencing a temporary physical impairment impacting your daily activity, the DAC may be able to provide temporary assistance or connect you with the proper resource.”

Religious Accommodation Policy

“Western provides reasonable accommodation for students to take holidays for reasons of faith or conscience or for organized activities conducted under the auspices of a religious denomination, church, or religious organization. Students seeking such accommodation must provide written notice to their faculty within the first two weeks of the course, citing the specific dates for which they will be absent. “Reasonable accommodation” means that faculty will coordinate with the student on scheduling examinations or other activities necessary for completion of the course or program and includes rescheduling examinations or activities or offering different times for examinations or activities. Additional information about this accommodation can be found in SB 5166: Providing religious accommodations for postsecondary students.”