

Syllabus of Record

Purpose

The syllabus of record (SOR) serves five audiences:

1. Faculty can use the SOR as a blueprint for designing course syllabi. Faculty are free to add to the content in the SOR, but the required activities, objectives, and methods of evaluation in the SOR must be maintained.
2. Students can use the SOR to determine, before they register, the skills they can expect to engage in and what they can expect to have learned upon successful completion of a course.
3. The SOR provides a standard format that other schools can use to determine transfer credit.
4. Faculty governance (e.g., CCC, UCC) use the SOR when evaluating course-change and new course proposals.
5. Accreditation bodies may use the syllabus of record to view the content taught in every section of a course.

The syllabus of record (SOR) is a blueprint for building a course. It provides details on the minimum structure and content for the course so that units can ensure knowledge is structured throughout the curriculum. It is not necessarily meant to articulate every aspect of each week of a course.

Therefore, when constructing an SOR, careful attention must be paid to what it contains. If a unit wishes to propose a course in which content is quite rigid and fixed, then the various sections of the SOR would reflect that. On the other hand if a unit wishes to propose a course with content to be selected from a range of specified possibilities and/or a course with little fixed content with the bulk of the content being determined by the specific instructor, then the SOR would indicate that.

The SOR [guidelines](#) can really help with creating a successful SOR.

Course Data

Course Code

HRG 501

Title

Anatomy and Physiology of Hearing and Balance

Credits

3

Prerequisites

Admission to the audiology program

Description

A study of the anatomy and physiology of the peripheral and central auditory and balance systems. Knowledge in this area will provide the basis for evaluation and treatment of individuals with hearing and/or balance disorders.

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Objectives

After successful completion of the course the students will be able to

1) Knowledge/Label:

Label the anatomy, physiology and processing within the outer and middle ears

2) Knowledge/Label:

Label the anatomy, physiology and processing within the cochlea and auditory nerve

3) Knowledge/Label:

Label the anatomy, physiology and processing within the vestibular organ and central nervous system

4) Analysis/Relate:

Relate anatomical and physiological aspects of the outer, middle, and inner ear to clinical disorders and diagnostic and treatment methodologies, with appropriate consultation

Topics

Week 1	External ear: Structure and function
Week 2	Anatomy and physiology of the middle ear
Week 3	Functional anatomy of the cochlea
Week 4	Cochlear physiology: Passive and active mechanics
Week 5	Cochlear physiology: Electrophysiology
Week 6	Structure and function of the auditory nerve
Week 7	The cochlear nucleus and superior olivary complex
Week 8	The lateral lemniscus and inferior colliculus
Week 9	The medial geniculate body and auditory thalamus
Week 10	The auditory cortex
Week 11	The corpus callosum and auditory interhemispheric function
Week 12	The efferent auditory system
Week 13	The semicircular canals and otolith organs
Week 14	Peripheral and central vestibular pathways

Methods of Evaluation

Midterm Examination **25-50%**

Final Examination **25-50%**

Presentation **10-30%**

Sample Source(s) of Information

Gelfand, S.A. (2009). *Hearing: An introduction to psychological and physiological acoustics* (5th Edition), New York: Marcel Dekker, Inc.

Pickles, J.O. (2013). *An Introduction to the physiology of hearing* (4th Edition), BRILL.

Bear, MF, Connors, BW & Paradiso, MA (2006). *Neuroscience: Exploring the brain* (3rd Edition), Baltimore, MD: Lippincott Williams & Wilkins.

Current editions as of the date of the proposal are listed. The most current edition will be used for this course.