

- 825. Seminar in Art Education**  
Fall, Winter, Spring, Summer. 2 to 4 credits. May reenroll for a maximum of 8 credits. Approval of department.  
Examination and discussion of contemporary thought in the field of art education. Current problems examined within an interdisciplinary framework.
- 826. Critical Theory and Aesthetic Experience in Art Education**  
Fall, Winter, Spring, Summer. 3(3-0)  
May reenroll for a maximum of 9 credits if different topics are taken. Approval of department.  
Theories of art criticism and aesthetic experience. Organization of these concepts for application to art education programs or related fields.
- 827. Curriculum Design for Art Education**  
Fall, Winter, Spring, Summer. 3(3-0)  
May reenroll for a maximum of 9 credits if different topics are taken. Approval of department.  
Factors affecting art curriculum; analysis, preparation and evaluation.
- 828. Research Methods for Art Education**  
Fall, Winter, Spring, Summer. 3(3-0)  
May reenroll for a maximum of 9 credits if different topics are taken. Approval of department.  
Orientation to research; designs and methodologies applicable to the study of problems in art education.
- 840. Teaching Seminar—Art Practice**  
Fall, Winter, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 6 credits. Approval of department.  
Supervised teaching of college classes in art practice.
- 899. Master's Thesis Research**  
Fall, Winter, Spring. Variable credit.  
May reenroll for a maximum of 12 credits. Approval of department.

**ARTS AND LETTERS A L****College of Arts and Letters**

- 210. Film: An Introduction**  
Fall, Winter, Spring. 4(2-4)  
An interdisciplinary examination of film, to enhance the student's knowledge and appreciation of the film experience by focusing on theory, practice, history, social meaning, and criticism.
- 232. American Humor**  
(ATL 232.) Winter. 4(4-0) Sophomores.  
An interdisciplinary study of the relationship between American humor and the developing American experience, especially of the nineteenth and twentieth centuries.
- IDC. Introduction to Women's Studies: Women's Consciousness**  
For course description, see *Interdisciplinary Courses*.
- 301. The Silent Film**  
Fall of odd-numbered years. 3(2-2) Sophomores.  
History of silent film: major films, directors, movements, trends.
- 303. Contemporary Cinema**  
Spring of even-numbered years. 3(2-2) Sophomores.  
History of world cinema since 1960: major films, directors, movements, trends.
- 310. American Film and Society**  
(ATL 350.) Fall, Winter, Spring. 4(2-4) May reenroll for a maximum of 8 credits if different topic is taken. Sophomores.  
American films as they reflect and influence society.
- 311. Great Cities, Arts, and Ideas: The Western Classical Age (A)**  
(HUM 311.) Fall. 4(4-0) Sophomores.  
The humanities in an urban culture during the Western classical age. Major ideas and works of art and literature, their significance in the city's life, and their continuing influence. Cities will be Athens or Rome.
- 312. Great Cities, Arts, and Ideas: The Renaissance (A)**  
(HUM 312.) Winter. 4(4-0) Sophomores.  
The humanities in an urban culture during the Renaissance. Major ideas and works of art and literature, their significance in the city's life, and their continuing influence. Cities will be Florence, Rome, or Paris.
- 313. Great Cities, Arts, and Ideas: The Modern World (A)**  
(HUM 313.) Spring. 4(4-0) Sophomores.  
The humanities in an urban culture during the modern era. Major ideas, works of art and literature; their significance in the life of an important world capital during the 18th, 19th, or 20th century.
- 320. Major Directors (MTC)**  
Fall of even-numbered years. 3(2-2)  
May reenroll for a maximum of 6 credits. A L 210 or another course in the Film Studies—Thematic Program, Sophomores.  
Themes, concerns, and artistry of major film directors.
- 330. Film Genres (MTC)**  
Winter of odd-numbered years. 3(2-2)  
May reenroll for a maximum of 6 credits. A L 210 or another course in the Film Studies—Thematic Program, Sophomores.  
Characteristics, conventions, development of film genres; shaping cultural forces; sources of vitality and appeal.
- 332. Development of American Indians as an Ethnic Minority**  
(RES 313.) Spring. 4(4-0) Approval of college.  
The history of the contact between Euro-Americans and American Indians is examined from the perspective of Native Americans.
- 333. Contemporary Problems of American Indians**  
(RES 333.) Spring. 4(4-0) A L 332.  
An overview of contemporary American Indian problems including their background in federal policies, protests engendered, and possible solutions.
- 345. Jewish Humanities in the Twentieth Century (A)**  
(HUM 345.) Fall, Winter, Spring. 4(4-0) Sophomores. Previous studies in the humanities recommended.  
An interdisciplinary study of the novel, short story, drama, music, film, and arts of the Twentieth Century as they have reflected the experiences, preoccupations, and contributions of the Jews.
- 390H. Perspectives in Literature**  
Fall. 3(3-0) Juniors. approval of Honors College.  
Attention will be focused on several major literary works. Students will employ various types of literary analysis, considering theme, idea, structure, etc., and examining some major trends in contemporary literary criticism.
- 391H. Perspectives in Philosophy**  
Winter. 3(3-0) Juniors. approval of Honors College.  
The two primary areas of concern will be ethics and aesthetics, the emphasis on one or the other to be determined by the professor. The course will include reading of major works, discussion of major figures in the fields, and the preparation of a substantial paper.
- 392H. Perspectives in History**  
Spring. 3(3-0) Juniors. approval of Honors College.  
The focus will be on the nature of international diplomacy in the 20th century, the development of nationalism, the balance of power system, the influence of new ideologies, and the developments of the power structure since 1945.
- 393H. Perspectives in 20th Century Arts: 1900-1920**  
Fall. 3(3-0) Juniors. approval of Honors College.  
Reaction to Naturalism across the arts traced in Symbolism and Expressionism as interrelated phenomena in response to the crisis of confidence in European institutions.
- 400. Film Theory and Analysis**  
Winter of odd-numbered years. 3(2-2) Juniors. at least three courses in the Film Studies—Thematic Program.  
Major film theories and theorists; analysis of selected films.
- 450. Arts Management**  
Fall, Winter, Spring. 3 to 5 credits.  
May reenroll for a maximum of 9 credits. Seniors or Graduate Students or approval of department.  
Administration of arts organizations, management of facilities, understanding operational methods and procedures of performing companies, financial structure and funding of arts centers, study of audience development, contemporary trends in arts management field.
- 461. Aging and Human Values**  
Spring. 3(3-0) Juniors.  
Development of personal and professional responses to value-laden questions concerning aging and the elderly through historical, literary, philosophical and related perspectives.
- 491H. Perspectives in the Social Sciences and Humanities**  
Fall, Winter, Spring. 2 to 6 credits.  
May reenroll for a maximum of 12 credits if different topic is taken. Juniors. approval of Honors College, or approval of instructor. Interdepartmental with the College of Social Science.  
An integration of subject matter and methodologies of several disciplines as they are relevant to particular topic areas.
- 492. Integrative Topics in the Arts and Humanities**  
Fall, Winter, Spring. 4(4-0) May reenroll for a maximum of 8 credits. Juniors or approval of department.  
In-depth study of topics in the arts and humanities. Integrative and interdisciplinary approach.

**Descriptions — Arts and Letters  
of  
Courses**

**499. Arts and Letters Internship**  
Fall, Winter, Spring, Summer. 1 to 10 credits. May reenroll for a maximum of 10 credits. Juniors, 3.00 GPA, approval of instructor. Supervised pre-professional field experience for juniors, seniors, or graduate students.

**999. Doctoral Dissertation Research**  
Fall, Winter, Spring, Summer. Variable credit. May reenroll for a maximum of 36 credits. Approval of college.

**ASTRONOMY AND  
ASTROPHYSICS**

See Physics and Astronomy.

**AUDIOLOGY AND SPEECH  
SCIENCES ASC**

**College of Communication Arts and  
Sciences**

**108. Voice and Articulation**  
Fall, Winter, Spring, Summer. 3(4-0)  
The study and development of the skills of voice and articulation.

**201. Introduction to Communication Disorders**  
Fall, Winter. 3(3-0)  
Speech, hearing and language disorders in adults and children.

**222. Oral Language Development**  
Fall, Winter, Spring, Summer. 3(3-0)  
Emergence and development of receptive and expressive aspects of oral language of the child.

**227. Physics for Audiology and Speech Sciences**  
Fall, Spring. 4(4-0) MTH 108. Not open to students with credit in PHY 237. Interdepartmental with and administered by Physics. Introductory physics for Audiology and Speech Sciences majors; kinematics, Newtons' Law, conservation of energy and momentum, waves and vibrations, sound propagation, resonance, speech production.

**274. Structures and Functions of Speech and Hearing Mechanisms**  
Fall, Winter. 5(4-2) ASC 108 or approval of department.  
Peripheral and central auditory mechanisms and the respiratory, phonatory and articulatory mechanisms for speech.

**276. Descriptive Phonetics**  
Winter, Spring. 3(3-0) ASC 274 or approval of department.  
Detailed description of the principles that underlie the production of speech sounds.

**277. Speech Science**  
Fall, Spring. 3(3-0) ASC 274, ASC 276.  
Scientific bases of voice communication with special reference to the acoustic aspect of production.

**373. Clinical Procedures in Speech Pathology and Audiology**  
Winter, Spring. 4(4-0) 2.00 grade-point average in ASC 201 and ASC 277 or approval of department.  
Principles underlying the clinical interview and client relationships essential to diagnosis and therapy. Procedures in obtaining, recording, and evaluating test results and therapeutic methods.

**444. Oral Language of Urban Areas**  
Winter, Summer. 3(3-0)  
Concentration in the characteristics of language and human communication as these relate to studies and practices of those involved in urban affairs.

**445. Communication Disorders: Social and Emotional Components**  
Spring. 3(3-0) Juniors.  
Analysis and management of the social and emotional components of speech, language, and hearing problems.

**454. Introduction to Audiology**  
Fall, Spring. 5(4-2) ASC 276, ASC 277.  
Fundamental aspects of normal hearing; hearing disorders, hearing tests.

**460. Aural Rehabilitation**  
Winter, Summer. 5(5-0) ASC 454 or approval of instructor.  
Fundamental aspects of hearing aids, auditory training, and speechreading for the hearing-impaired person.

**470. Communication Disorders**  
Spring, Summer. 3(3-0) Juniors. Not open to Audiology and Speech Sciences majors.  
An overview of communication disorders; the professions of speech and language pathology and audiology and their relationships to allied professions.

**474. Clinical Practicum in Speech and Language Pathology**  
Fall, Winter, Spring, Summer. 1 credit. May reenroll for a maximum of 2 credits. Grade of 2.0 or better in both ASC 201 and ASC 373; satisfactory completion of a speech, language, and hearing screening/evaluation at the MSU Speech and Hearing Clinic.  
Therapeutic experience in speech and language pathology.

**476. Speech-Language Pathology: Diagnostics**  
Fall, Winter, Spring, Summer. 5(4-2) ASC 474 or approval of department.  
Test procedures and analysis; supervised clinical experience in language and speech evaluations and report writing.

**477. Methods in Public School Speech and Hearing Therapy**  
Fall, Winter. 4(3-2) ASC 201, ASC 373. Must be taken prior to term of student teaching.  
Administration and organization, procedures and materials in public school speech and hearing therapy.

**480. Basic Laboratory in Experimental Audiology**  
Fall, Spring. 3(1-4) MTH 108, PHY 227, ASC 454; Juniors.  
Contemporary experimental procedures in basic audiological research. Projects include systematic exercises in equipment use, calibration, psychophysical methods, and data analysis.

**499. Independent Study**  
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 12 credits. Approval of department.

**801. Phonological Disorders**  
Winter. 4(4-0) Approval of department.  
Advanced study of normal aspects and correlates of phonological development; traditional and contemporary intervention issues, and issues related to research in phonological disorders.

**810. Audiologic Calibration Standards**  
Winter. 4(3-2) ASC 854 or ASC 833A, ASC 833B.  
Contemporary electro-acoustic and other measurement standards for audiometers, sound level meters, earphones, hearing aids, and related devices; current issues in standards development; laboratory in applied measurement.

**833. Specialized Clinical Audiology.**  
**A. Differential Audiometry**  
Fall. 4(3-2)  
Pure tone audiometric tests as an aid to the otologist in evaluating the pathology of hearing loss; including the development of norms. Consideration of nonorganic loss.

**B. Speech Audiometry**  
Fall. 4(3-2)  
Evaluation of speech and speech-like signals; detection, discrimination and recognition.

**C. Industrial Audiology**  
Spring. 4(4-0)  
Evaluation of the role of the audiologist in industry emphasizing identification procedures, damage-risk criteria, measurement and control of noise, conservation procedures, and medico-legal problems.

**D. Advanced Audiological Evaluation**  
Winter. 4(3-2)  
Theory, administration and evaluation of selected tests of the peripheral and central auditory system.

**E. Pediatric Audiology**  
Fall. 4(4-0)  
Evaluative procedures including play audiometry, language assessment, and case studies as aids to the differential diagnosis of auditory disorders in children; rehabilitative procedures for the acoustically handicapped child.

**F. Geriatric Audiology**  
Summer. 4(4-0) ASC 460 or approval of department.  
Causes and descriptions of hearing loss associated with aging; audiologic evaluation and rehabilitation of older people with emphasis on amplification needs.

**G. Auditory Habilitation of the Hearing Impaired**  
Spring. 4(4-0) ASC 460; ASC 833B or approval of department.  
Communication skills development, early identification, differential diagnosis, personal and classroom amplification systems, methodological controversies and public laws affecting education of the hearing impaired.

**H. Electrophysiologic Methods of Auditory Assessment**  
Spring. 4(3-2) ASC 854 or approval of department.  
Electroencephalic and brain stem audiometry, electrocochleography, electrocardiac audiometry, respiration audiometry, electrodermal audiometry, impedance audiometry and electronystagmography.