

- 807. Industrial Design**
Fall, Winter, Spring, Summer. 3 to 12 credits.
Advanced study in the areas of design analysis and product development with emphasis on continued independent development.
- 808. Jewelry and Metal**
Fall, Winter, Spring, Summer. 3 to 12 credits.
Advanced work in jewelry and metal, and other related areas leading to continued independent development.
- 809. Etching**
Fall, Winter, Spring, Summer. 3 to 12 credits.
Work in etching leading to expressive independent development.
- 810. Lithography**
Fall, Winter, Spring, Summer. 3 to 12 credits.
Work in lithographic techniques leading to expressive independent development.
- 816. Issues in Contemporary Art**
Fall. 3(3-0) Graduate students or approval of instructor.
Impact of technology, new media, exploitation and exhaustion of current styles, new sources of patronage, political control; implications of art systems replacing object art explored in seminars with staff.
- 820. Problems in Art Education**
Fall, Winter, Spring, Summer. 1 to 5 credits. May reenroll for a maximum of 10 credits. Contract from department required prior to registration.
- 821. Art Instructional Media Laboratory I—Multi-Media**
Fall, Winter, Spring, Summer. 4(1-9) May reenroll for a maximum of 8 credits. Approval of department.
Investigation of multi-media techniques as media of artistic expression and communication for application to art education or related fields.
- 822. Art Instructional Media Laboratory II—Television**
Fall, Winter, Spring, Summer. 4(1-9) May reenroll for a maximum of 8 credits. Approval of department. Interdepartmental with the Department of Telecommunication.
Analysis of teaching video tapes and television programs in art. Utilization of television as a medium of artistic expression and communication for application to art education or related fields.
- 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

- 130. The First Americans: An Introduction to the Native American Experience**
(RES 130.) Fall, Spring. 4(4-0)
Overview of Native American cultures and experiences from pre-European to contemporary times.
- 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.
- 310. American Film**
(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.
- 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.
- 335. Film and Drama, a Comparison**
(J M 335A.) Winter, Spring. 3(3-2) Juniors.
A comparison of dramatic and cinematic forms with primary emphasis on the unique attributes of each medium that create differing impacts and responses on the reader/viewer.
- 339. Interdisciplinary Studies in the Arts and Humanities**
(J M 339A.) Fall, Winter, Spring. 3(3-0) May reenroll for a maximum of 6 credits. Juniors or approval of department.
Study of a theme or topic from the perspectives of at least two disciplines.
- 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.

Descriptions - Arts and Letters

of

Courses

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.

394H. Perspectives in 20th Century Arts: 1920-1945

Winter. 3(3-0) Juniors, approval of Honors College.

Formalist analysis of art elements examined across the arts in Cubism, Surrealism and new musical structures as positive response to war, depression and dictatorship.

395H. Perspectives in Contemporary Arts: Postwar Period

Spring. 3(3-0) Juniors, approval of Honors College.

The function of avant-garde arts after World War II to the present studied in the new dimensions of an environment created by new technology and the mass media explosion.

434. Critical Issues in Dance

(J M 434.) Winter. 3(3-0) Seniors in Dance Field of Concentration or approval of department.

Development of aesthetic values and opinions through analysis of critical issues in dance. Solidification of individual dance philosophies.

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

(U C 492.) 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.

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

(372.) 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, Newton's 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 Pathology II: 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.