

348 Reading and Responding to Children's Literature

Fall, Spring, Summer. 3(3-0)

Literary understanding and genres in reading and teaching children's literature. Critical and theoretical perspectives in evaluating children's literature. Children's responses to literature. Literary, social, and pedagogical issues in the study of children's literature.

401 Teaching of Subject Matter to Diverse Learners (W)

Fall. 5(3-8) P:M: (MTH 201) and completion of Tier I writing requirement. RB: (MTH 202 and TE 301) R: Not open to freshmen or sophomores. Open only to students admitted to the teacher certification program.

Examining teaching as enabling diverse learners to inquire into and construct subject-specific meanings. Adapting subject matter to learner diversity. Exploring multiple ways diverse learners make sense of the curriculum.

402 Crafting Teaching Practice (W)

Spring. 6(4-8) P:M: Completion of Tier I writing requirement. RB: (TE 401) R: Not open to freshmen or sophomores. Open only to students admitted to the teacher certification program.

Gathering data on learners to inform content and instructional decisions. Deciding what should be taught for specific disciplines. Teachers' multiple roles and their professional, intellectual, sociopolitical, and communal responsibilities.

490 Independent Study in Teacher Education

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Open only to students admitted to the teacher certification program. Approval of department.

Supervised individual or small group study of the practice of teaching.

491 Special Topics in Teacher Education

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Open only to teacher certification candidates.

Aspects of teaching practice and inquiry into practice.

494 Field Experience in Teacher Education

Fall, Spring. 1 to 10 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Approval of department.

Supervised practica and/or observations in educational settings.

495 Student Teaching in Music

Fall, Spring. 9 credits. Interdepartmental with Music. Administered by School of Music. R: Open only to seniors in the Bachelor of Music Education major.

Supervised music teaching experience in schools. On-campus seminar required.

TELECOMMUNICATION TC**Department of Telecommunication
College of Communication
Arts and Sciences****100 The Information Society**

Fall, Spring, Summer. 3(3-0)

Technological, industry and social trends in the information society. Telecommunication industries. Social policy involving information technologies and information services, including television, radio, cable TV, telephone, the Internet, New Media.

200 History and Economics of Telecommunication

Fall, Spring, Summer. 4(4-0) P:M: (TC 100 and EC 201 or concurrently)

Institutional, economic and content development of telecommunication including broadcasting, cable, new video technologies, and telephone and data transmission.

201 Introduction to Telecommunication Technology

Fall, Spring, Summer. 4(4-0) P:M: (CSE 101 or concurrently and CSE 131 or concurrently and CSE 231 or concurrently) and (TC 100) and (MTH 106 and MTH 110 and MTH 116 and MTH 124 and MTH 132 and MTH 152H and MTH 201 and STT 200 and STT 201) or (MTH 103 and MTH 114) or designated score on Mathematics placement test.

Operational principles of audio, data and video telecommunication technologies.

240 Introduction to Digital Media Arts

Fall, Spring, Summer. 3(2-2) R: Open only to students in the Department of Telecommunication.

Principles, processes, techniques and technology involved in the making of media messages, particularly in video, audio and digital media.

310 Basic Telecommunication Policy

Fall, Spring, Summer. 4(4-0) P:M: (TC 100 and TC 200 and TC 201)

Policy in information, telecommunication, and media in the United States and abroad.

342 Basic Video Design and Production

Fall, Spring, Summer. 4(2-4) P:M: (TC 240) and (TC 201) R: Open only to students in the Department of Telecommunication. Approval of department; application required.

Conceptualization, design, planning, producing, directing, shooting, editing, and evaluation of video programs. Emphasis on multi-camera, live studio production. Introduction to location single-camera shooting and editing.

343 Basic Audio Production

Fall, Spring, Summer. 4(2-4) P:M: (TC 201 and TC 240) R: Open only to students in the Department of Telecommunication. Approval of department; application required.

Basic audio production techniques. In-depth audio and radio industry analysis. Media writing.

346 Basic Interactive Media Design

Fall. 4(2-4) P:M: (TC 201) and (TC 240) R: Approval of department, application required.

Basic design and development of interactive digital media, particularly related to Internet applications.

352 Broadcast and Cable Programming and Audience Promotion

Spring of even years. 3(3-0) RB: (TC 200 and TC 240) R: Not open to freshmen or sophomores.

Evaluation, selection and scheduling of cable and broadcast programming. Audience promotion strategies and techniques.

361 Data Communication

Fall, Spring. 3(3-0) P:M: (TC 200 and TC 201) and (MTH 103 and MTH 114) or (MTH 116 or MTH 132) RB: (TC 310)

Data communication concepts and applications. Basic data communications protocols and local area network approaches. Fundamentals of databases.

375 New Media, Old Media

Fall. 3(3-0) P:M: (TC 100) RB: or approval of department.

Uses and social effects of the Internet and the other New Media of communication. Conventional theories of mass media and emerging theories of interactive media processes and effects. Critical examination of empirical social science research concerning the role played by the media, old and new, in society.

391 Special Topics in Telecommunication

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department.

Contemporary issues in telecommunication.

410 Advanced Telecommunication Policy

Spring of even years. 3(3-0) P:M: (TC 310) RB: (TC 100 and TC 200 and TC 201)

Information and communication industries policy in the network of networks of the information society.

442 Advanced Video Design and Production (W)

Fall, Spring, Summer. 4(2-4) P:M: (TC 342 and TC 343) and completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Telecommunication. Approval of department; application required.

Advanced principles of video production. Techniques of design, recording, editing and writing.

443 Audio Industry Design and Management (W)

Fall, Spring. 4(2-4) P:M: (TC 342 and TC 343) and completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Telecommunication. Approval of department; application required.

Advanced audio production specializing in multi-channel techniques. Industry focus on all aspects of the audio field.

444 Information Technology Project Management

Spring. 3(3-0) Interdepartmental with Information Technology Management; Computer Science and Engineering. Administered by The Eli Broad College of Business. P:M: (ITM 311) R: Open only to seniors in the Specialization in Information Technology.

Practical training and experiences in design, testing, and launch of new information technologies and systems.

Telecommunication—TC

- 445 Digital Game Design (W)**
Fall. 4(2-4) P:M: (TC 240 and TC 346) and completion of Tier I writing requirement. R: Approval of department. Application required.

Design, architecture, and creation concepts related to the development of interactive digital games.

- 446 Advanced Interactive Media Design (W)**
Spring. 4(2-4) P:M: (TC 201 and TC 240 and TC 346) and completion of Tier I writing requirement. R: Approval of department; application required.

Advanced design and development of interactive digital media, particularly related to CD-ROM, DVD, computer kiosks, and advanced Internet applications.

- 447 Three Dimensional Graphics and Simulation (W)**
Spring. 4(2-4) P:M: (TC 346) and completion of Tier I writing requirement. RB: A course in basic script writing and programming is required. R: Approval of department, application required. SA: TC 847

Design of objects and environments for use as 3-D graphic artwork, computer animation, and real-time, interactive virtual environments: 3-D modeling, texturing, lighting, object animation, human and facial animation, real time interaction design from gaming, simulation, and immersive virtual environments.

- 448 Special Topics in Digital Media Arts and Technology**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 15 credits in all enrollments for this course. P:M: (TC 240) and (TC 342 or TC 343 or TC 346) R: Approval of Department, application required.

Emergent topics in digital media arts and technology.

- 452 Telecommunication and Information Industries (W)**
Spring. 4(4-0) P:M: (TC 100 and TC 200 and TC 201) and completion of Tier I writing requirement.

Telecommunication and information industry issues including economic dynamics, market structures, business practices, and interfaces with other industries.

- 456 Multichannel and Broadband Telecommunication(W)**
Fall. 4(4-0) P:M: Completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Telecommunication.

Television and internet video in a multichannel/broadband environment. Developments in broadcasting, cable, satellite master antennae TV, direct broadcast satellite, multipoint distribution systems, telephone, internet and home video applications.

- 458 Telecommunication Management (W)**
Spring. 3(3-0) P:M: (TC 310) and completion of Tier I writing requirement. R: Not open to freshmen or sophomores.

Theoretical and practical aspects of telecommunication management including case studies.

- 462A Wireless Networks and Applications**
Fall of even years. 3(2-2) P:M: (TC 361) R: Not open to freshmen or sophomores.

Technologies and services in the wireless telecommunications industry. Applications of wireless communications for voice and data communications, including cellular telephony and mobile data applications.

- 462B Teleconferencing and Computer Supported Cooperative Work**
Spring of even years. 3(2-2) P:M: (TC 361) RB: (TC 201 and TC 240) R: Not open to freshmen or sophomores.

Methods of teleconferencing including assessing requirements for teleconferencing, system design and implementation, and system evaluation.

- 462C Introduction to Electronic Commerce**
Spring of odd years. 3(2-2) P:M: (TC 361) RB: (TC 100 and TC 201) R: Not open to freshmen or sophomores.

Technologies, business models, and organizational and social implications of electronic commerce. Design of e-commerce sites.

- 463 Network Design and Implementation I**
Fall, Spring. 3(3-0) P:M: (TC 361) R: Not open to freshmen or sophomores.

Operation and management of telecommunications systems. Overview of the different systems, network configurations, current market forces and how they factor into business plans for public telecommunication networks.

- 464 Network Security**
Spring of odd years. 3(3-0) P:M: (TC 361) Network security issues and how network security is maintained in voice data and video networks.

- 465 Network Design and Implementation II (W)**
Spring. 3(2-2) P:M: (TC 361 and TC 463) and completion of Tier I writing requirement. R: Not open to freshmen or sophomores.

Techniques for analyzing organizational requirements for private voice data and video systems. Preparing a request for proposals and bids.

- 476 Telecommunication Research Methods (W)**
Spring. 4(4-0) P:M: Completion of Tier I writing requirement. RB: (TC 100) R: Not open to freshmen or sophomores.

Telecommunication research methods including content analysis, sampling, experiments, surveys, statistics, ratings, polling and qualitative research.

- 477 Global Media (W)**
Fall. 4(4-0) P:M: Completion of Tier I writing requirement. RB: (TC 100) R: Not open to freshmen or sophomores.

Comparison of national approaches to use of television, radio, cable, telephone, data and satellite communication, and the Internet. Development, international commerce, data flows, propaganda, impact on cultures.

- 490 Independent Study**
Fall, Spring, Summer. 1 to 7 credits. A student may earn a maximum of 7 credits in all enrollments for this course. R: Open only to juniors or seniors in the Department of Telecommunication. Approval of department; application required.

Directed study under faculty supervision.

- 491 Special Topics in Telecommunication**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department.

Contemporary issues in telecommunication.

- 493 Telecommunication Internship**
Fall, Spring, Summer. 1 to 7 credits. A student may earn a maximum of 7 credits in all enrollments for this course. P:M: (TC 100 and TC 200 and TC 201 and TC 240) and (TC 310 or TC 361) R: Open only to juniors or seniors in the Department of Telecommunication. Approval of department; application required.

Supervised professional experience in a telecommunication institution, business or facility.

THEATRE

THR

Department of Theatre College of Arts and Letters

- 101 Acting I**
Fall, Spring. 3(2-2)
Improvisational exercises, creative exercises, monologue and scene study.

- 110 Theatrical Play Analysis**
Fall, Spring. 3(3-0)
Play study in relation to theatrical production.

- 211 Production Design: Scenery and Lighting**
Fall, Spring. 3(0-6)
Technical aspects of the design and construction of stage scenery and lighting.

- 212 Production Design: Costumes, Props and Makeup**
Fall, Spring. 3(0-6)
Technical aspects of the design and construction of stage costumes and props. Materials and techniques related to theatrical makeup.

- 290 Independent Study**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department.
Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

- 300 Production**
Fall, Spring, Summer. 1(0-2) A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department. SA: THR 300B
Assisting with box office, publicity, running crew, costume shop, scene shop, or actor for department productions.

- 301 Contemporary Acting I**
Spring. 3(0-6) RB: (THR 101) R: Open only to students in the Department of Theatre or approval of department.
Intensive practicum including scene study, rehearsal and performance of works by twentieth century playwrights.