

COMMUNICATIONS (COM)

COM 501

Introduction to Linguistics

An introduction to the systematic study of language. Focus on the core areas of linguistics such as sound patterns of language (phonology), form (syntax, morphology), and meaning (semantics, pragmatics) as well as applied areas such as language variation, language, acquisition, psychology of language, and the origin of language.

Lecture: 3 Lab: 0 Credits: 3

COM 503

Analyzing and Communicating Quantitative Data

An introduction to statistics and data analysis tailored to the needs of communication and information professionals. Emphasis is placed on developing intuition as to which analyses are appropriate given one's questions of interest as well as how to interpret and communicate the results of analyses. Students will analyze real data sets using SPSS in the computer lab.

Lecture: 0 Lab: 3 Credits: 3

COM 506

World Englishes

Analysis of the variations of the English language throughout geographic and cultural regions of the world.

Lecture: 3 Lab: 0 Credits: 3

COM 508

Structure of Modern English

Analysis of English grammar from four major perspectives: prescriptive, descriptive, transformational-generative, and contextual perspectives. Different methods for analyzing sentences, ways of applying each method to problems in editing and writing, and contributions of linguists such as Noam Chomsky. While focusing on sentence structure, students also look at the structure of words (morphology) and larger units of text (discourse) at various points in the semester.

Lecture: 3 Lab: 0 Credits: 3

COM 509

History of the English Language

Study of the origins and development of key features of the English language through its important stages, including Old, Middle, and Early Modern English.

Lecture: 3 Lab: 0 Credits: 3

COM 510

The Human Voice: Description, Analysis, and Application

Analysis of human and synthetic speech intended for technology mediated environments and devices. Focus on talker characteristics that affect speech intelligibility and social factors that affect talker characteristics. Attention to design characteristics of technology mediated speech and how humans react to it.

Lecture: 3 Lab: 0 Credits: 3

COM 511

Linguistics for Technical Communication

This course examines linguistic theory as it relates to everyday problems. The course is divided into four sections, each of which expose students to an application of these topics to broader issues. Topics include sound patterns of speech, sentence structure, meaning and language and society.

Lecture: 3 Lab: 0 Credits: 3

COM 515

Discourse Analysis

Analysis of spoken and written texts on the intersentential and metalinguistic levels (e.g. semantic roles; given-new information; deixis and anaphora; presupposition and entailment; direct and indirect speech acts; schema theory). Applications to social and professional issues such as intercultural communication; sociopolitical discourse; discourse in educational, legal, and medical settings; narratives and literary texts.

Lecture: 3 Lab: 0 Credits: 3

COM 521

Theory in Technology and Humanities

Broad coverage of concepts and issues in current and classic scholarship in the field of technical communication. Intensive work in bibliographic research methods for academic genres.

Lecture: 3 Lab: 0 Credits: 3

COM 522

Wireframing and Prototyping

Wireframing and Prototyping focuses on the development, validation, and use of wireframes and prototypes for UX. Essentially, students will learn how to use wireframing and prototyping practices to communicate and test UX design ideas.

Lecture: 3 Lab: 0 Credits: 3

COM 523

Communicating Science

This course focuses on strategies for communicating scientific information in professional settings. Students develop a literature review, proposal, and feasibility study; learn how to adapt scientific information to various audiences; and complete exercises on style, grammar, and other elements of effective professional communication. Emphasis on usability, cohesion, and style in each assignment.

Lecture: 3 Lab: 0 Credits: 3

COM 525

User Experience Research and Evaluation

An introduction to principles of user-centered design and to methods for conducting user experience research. Students will learn how to plan and conduct projects that evaluate the design, interface, and experience of a product or service. Course work includes designing studies, collecting and interpreting data, and reporting findings and recommendations from the perspective of user-centered design.

Lecture: 3 Lab: 0 Credits: 3

Satisfies: Humanities (H)

COM 526

Graphic Design

Graphic Design introduces students to key concepts in visual rhetoric and logic, the graphic design process, and the use of professional graphic design tools. This course additionally covers aspects of graphic design history as relevant to course topics.

Lecture: 3 Lab: 0 Credits: 3

COM 528

Document Design

Principles and strategies for effective document and information design focusing on print media and familiarizing students with current research and theory as well as with practices in document design. Students design, produce, and evaluate documents for a variety of applications, such as instructional materials, brochures, newsletters, graphics, and tables.

Lecture: 3 Lab: 0 Credits: 3

COM 529

Technical Editing

Principles and practical applications of editing at all levels, working with both hard and soft copy and including copyediting, proofreading, grammar and style, and comprehensive editing. Attention primarily to documents from science, technology, and business.

Lecture: 3 Lab: 0 Credits: 3

COM 530

Standards-Based Web Design

Theory and practice of structuring and designing information for web-enabled devices. This course emphasizes web standards, accessibility, and agile design methods.

Lecture: 3 Lab: 0 Credits: 3

COM 531

Web Application Development

A production-intensive course in applied theory and practice of developing web-based applications emphasizing interface and experience design using emerging Web standards and backend development using Ruby-based web application frameworks.

Prerequisite(s): COM 530 with min. grade of C

Lecture: 3 Lab: 0 Credits: 3

COM 532

Rhetoric of Technology

A course that explores the theoretical and applied intersections of the rhetorical tradition and digital communication technologies.

Lecture: 3 Lab: 0 Credits: 3

COM 533

Application Programming Interfaces

A production-intensive course in the theory and applied practice of working with application programming interfaces (APIs), especially Web-available APIs for exchanging and mashing up content and data.

Prerequisite(s): COM 530 with min. grade of C

Lecture: 3 Lab: 0 Credits: 3

COM 534

User Interface Design

User Interface Design introduces students to the design of human interfaces to technologies, products, and tools. Students use user-centered design principles to develop, assess, and prototype user interfaces for a variety of projects, including web sites and mobile apps.

Lecture: 3 Lab: 0 Credits: 3

COM 535

Instructional Design

Teaches the essentials for the development of instructional materials, including analysis of human performance problems, strategic interventions, specified learning tasks, and validation instruments.

Lecture: 3 Lab: 0 Credits: 3

COM 536

Proposal and Grant Writing

Course covers all aspects of federal and foundation proposal cycle, from proposal development through review and decision-making process. Emphasis on research proposals incorporating quantitative and qualitative methods, but activity-based proposals addressed as well.

Lecture: 3 Lab: 0 Credits: 3

COM 538

Entrepreneurship in Technical Communication

Corporate and independent roles of technical communicators. Concepts and techniques needed to market services or to address the marketing needs of clients. Modes, goals, and strategies for verbal and written interaction with clients, corporate decision-makers, and communications staff, with attention to presentation technologies.

Lecture: 3 Lab: 0 Credits: 3

COM 541

Information Structure and Retrieval

An examination of conceptual foundations and applied uses of structured languages and databases for structuring information with an emphasis on approaches to single-sourcing materials for presentation in digital and print formats.

Lecture: 3 Lab: 0 Credits: 3

COM 542

Knowledge Management

Analysis of the nature and uses of knowledge in organizations and groups with attention to technical communicators' roles and tasks in collecting, codifying, storing, retrieving, and transferring information within organizations. Emphasis on web-based strategies, techniques, and tools.

Lecture: 3 Lab: 0 Credits: 3

COM 545**Academic Writing**

This course familiarizes graduate students with both reading and writing academic texts across disciplines. Students will practice reading, analyzing, and developing written and spoken academic genres (e.g., reviews, articles, conference papers and talks, CVs, cover letters). Special attention is paid to analyzing and evaluating academic journals and conferences; submitting items to journals and conferences; navigating the research, writing, and publication process; revising work and providing feedback to others; and mastering the conventions of academic writing.

Lecture: 3 Lab: 0 Credits: 3

COM 552**Gender and Technological Change**

Have you ever wondered why more men choose to portray themselves as women online than the reverse? Or why there are more boys than girls in China? Or why vibrator technology was seen as a medical necessity in the 19th century? Have you ever thought about how the interplay between technology and gender constructs everything from our modern military to how we choose to spend our free time? To where we work? This course explores the history of technology by using gender as a category of analysis. It also looks at how technological objects and tools participate in molding elements of our culture that we may take for granted as logical or timeless. By looking at change over time, we will analyze the different ways technology affects how we live and see ourselves and how gender defines technological priorities.

Lecture: 3 Lab: 0 Credits: 3

COM 553**Media and Globalization**

The course covers the social, cultural, economic, and political dimensions of globalization and explores the role that communication and media technologies (newspapers, magazines, film, television, and digital media) play in shaping an interconnected, interdependent globalized world and in constituting our identities as global audiences, citizens, workers, consumers, and activists.

Lecture: 3 Lab: 0 Credits: 3

COM 554**Science and Technology Studies**

This course focuses on the latest work in science and technology studies and the history of technology from ethics in genetic engineering to the social dimensions of computing. Other topics include the intersection of gender and sexuality with new technologies, the role of communications media in "rewiring" our brains and our social connections, and the role of the world wide web in constructing national and global technocracy. In the course, students will read and discuss works by academics as well as journalists in order to offer grounding in the historical, social, and economic background of key technical topics and the presentation of technical topics for wider audiences. The course will also focus on the ways in which authors leverage different information technologies to communicate to wider audiences and how those methods are evolving.

Lecture: 3 Lab: 0 Credits: 3

COM 561**Teaching Technical Communication**

Principles, strategies, and resources for teaching technical communication and for developing and assessing technical communication curricula, especially at the postsecondary level.

Lecture: 3 Lab: 0 Credits: 3

COM 571**Persuasion**

The study of covert and overt persuasion and their influences on society and individuals.

Lecture: 3 Lab: 0 Credits: 3

COM 574**Communications in Politics**

This course introduces students to the general theories and practices of political campaign communication today. It investigates how those rules and types apply in the current presidential campaign. More generally, the course teaches students to produce written and oral discourse appropriate to the humanities.

Lecture: 3 Lab: 0 Credits: 3

COM 577**Communication Law and Ethics**

This course explores ethical and legal issues concerning communication in diverse contexts, such as: the mass media - e.g. print, broadcast, and electronic; government and politics; organizational hierarchies - e.g. public and private sector workplaces; academic life - e.g. the classroom, student, and faculty affairs; and interpersonal relations - e.g. love, friendship, marriage. Students will research and write an article length paper, and may also do additional research and/or classroom work.

Lecture: 3 Lab: 0 Credits: 3

COM 580**Topics in Communication**

This course has variable content depending on the topic in communication chosen by the instructor. Topics may include the technical and cultural history of digital media, video games, academic writing, and humanities research methods.

Lecture: 3 Lab: 0 Credits: 3

COM 582**Social Media and Society**

This course will discuss the development and trends of social media as well as their impacts on individuals and society. It will draw from a broad range of studies related to social media to learn how social media have impacts on interpersonal relationships, psychological well-being, privacy, politics, entertainment, and so on.

Lecture: 3 Lab: 0 Credits: 3

COM 583**Social Networks**

This course will discuss a variety of measures and properties of networks, identify various types of social networks, describe how position within and the structure of networks matter, use software tools to analyze social network data, and apply social network analysis to areas such as information retrieval, social media, and organizational behavior.

Lecture: 3 Lab: 0 Credits: 3

COM 584

Humanizing Technology

This course will investigate and experiment with both conceptual and applied efforts to humanize technology, especially computer technology. We will question the goals of humanization and its relationships to concepts such as design ethics and user-centered and emotional design. While the focus of the class will be on computer technology and programming languages, we will also look at humanization with regard to industrial design, engineering, architecture, and nanotechnologies.

Lecture: 3 Lab: 0 Credits: 3

COM 585

Internship

The internship is a cooperative arrangement between IIT and industry. It provides students with hands-on experience in the field of technical communication and information design.

Credit: Variable

COM 591

Research and Thesis for Master's Degree

Permission of instructor required.

Credit: Variable

COM 594

Project

Projects will require students to complete a theoretically based analysis of a practical communication situation, create a document appropriate to the situation, and write an analysis of or commentary on the choices made in the production of the document. (Credit: Variable. Most M.S. students take 6 credits of project studies)

Credit: Variable

COM 597

Special Problems

Permission of instructor required.

Credit: Variable

COM 601

Research Methods and Resources

This course addresses the logic of research design. The first part of the course focuses on formulating clear research questions and hypotheses. The second part addresses various designs (surveys, correlations, experiments, mixed designs, etc.) and their potential to test hypotheses.

Lecture: 3 Lab: 0 Credits: 3

COM 602

Qualitative Research Methods

This course is intended for graduate students in technical communication and related fields who are planning to conduct qualitative research in a variety of settings.

Prerequisite(s): COM 601 with min. grade of C

Lecture: 3 Lab: 0 Credits: 3

COM 603

Quantitative Research Methods

This course is for doctoral students of technical communication who have a command of general research methods but who require a deeper understanding of methods for the collection and analysis of quantitative data.

Lecture: 3 Lab: 0 Credits: 3

COM 691

Research & Thesis Ph.D.

This is a variable credit course which Ph. D. candidates sign up for as they work on their dissertations. Permission of instructor required.

Credit: Variable