COMMUNICATIONS (COM)

COM 101
Writing in the University
A study of the use of writing, reading, and discussion as a means of discovering, questioning, and analyzing ideas, with an emphasis on audience, context and the use of revision. This course satisfies the Basic Writing Proficiency Requirement. It does not satisfy a general education requirement in the Humanities and Social or Behavioral Sciences.
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C)

COM 201
Digital Writing
The rhetorical theory and applied practice of digital writing. Topics include word processor alternatives, social media for professional development, multimedia writing, and collaboration and project management.
Prerequisite(s): Satisfaction of IIT’s Basic Writing Proficiency Requirement
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C)

COM 301
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.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)

COM 306
World Englishes
This course surveys dialects of English around the world, including the U.S., U.K., Canada, India, Africa, and the Caribbean, focusing on vocabulary, word and sentence formation, and sound patterning.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)

COM 308
Structure of Modern English
This course examines the structure of the English language from four different approaches: traditional-prescriptive, descriptive, generative, and contextual.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)

COM 309
History of the English Language
Beginning with basic concepts in language development, this course traces the evolution of modern English, from its Indo-European roots, through Germanic, Anglo-Saxon, Middle English and Early Modern English.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)

COM 310
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.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)

COM 315
Discourse Analysis
The analysis of language “flow” beyond sentence boundaries. Working with both spoken and written discourse, students will consider culture and gender-related patterns, and will apply findings from discourse analysis to communication problems in politics, education, healthcare, and the law.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)

COM 323
Communicating Science
This course focuses on strategies for communicating scientific information in professional and general settings. Students develop genre documents, 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 all assignments.
Prerequisite(s): Satisfaction of IIT’s Basic Writing Proficiency Requirement
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C)

COM 330
Standards-Based Web Design
This course introduces the theory and practice of standards-based web design and development. The course focuses on an agile, incremental approach to building accessible, usable, and sustainable web pages that work across all modern browsers and web-enabled mobile devices. The course also provides a rhetorical and technological foundations for quickly establishing competencies in other areas of digital communication such as web application development.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)
COM 331
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 330
Lecture: 3 Lab: 0 Credits: 3

COM 333
App 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 330
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C)

COM 334
Literature of Modern Science
A study of the literature of science from the Renaissance to modern times.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)

COM 377
Communication Law and Ethics
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.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)

COM 380
Topics in Communication
An investigation into a topic of current interest in communication, which will be announced by the instructor when the course is scheduled.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)

COM 381
Topics in Communication
An investigation into a topic of current interest in communication, which will be announced by the instructor when the course is scheduled.
Prerequisite(s): Satisfaction of IIT’s Basic Writing Proficiency Requirement
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C)

COM 384
Humanizing Technology
This course will investigate and experiment with both conceptual and applied efforts to humanize 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.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)
COM 421
Technical Communication
Principles and practice in the communication of technical materials. Students work on the design, writing, and revising of reports, articles, manuals, procedures, proposals, including the use of graphics. Works by modern writers are analyzed.
Prerequisite(s): Satisfaction of IIT's Basic Writing Proficiency Requirement
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C)

COM 424
Document Design
Principles and strategies for effective document and information design, focusing on print media. Students design, produce, and evaluate documents for a variety of applications, such as instructional materials, brochures, newsletters, graphics, and tables.
Prerequisite(s): Satisfaction of IIT's Basic Writing Proficiency Requirement
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C)

COM 425
Editing
Principles and practical applications of editing at all levels, working with both hard and soft copy and including copymarking, copyediting, proofreading, grammar and style, and comprehensive editing. Attention primarily to documents from science, technology, and business.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C)

COM 428
Verbal and Visual Communication
Introduces students to the issues, strategies, and ethics of technical and professional presentations, and provides students with opportunities to engage in public address, video presentations and conferencing, and group presentations. Analysis of audience types and presentation situations, group dynamics, persuasive theories, language, and mass media.
Prerequisite(s): Satisfaction of IIT's Basic Writing Proficiency Requirement
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C)

COM 435
Intercultural Communication
An introduction to the problems of communication across cultures, with emphasis on the interplay of American civilization with those of other cultural areas.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)

COM 440
Introduction to Journalism
Introduction to the principles and practices of modern American journalism. Students will analyze news stories and media, and will cover and report on campus area events. Student-generated news stories will be discussed, analyzed and evaluated.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106 or HUM 200-299
Lecture: 3 Lab: 0 Credits: 3
Satisfies: Communications (C), Humanities (H)

COM 485
Undergraduate Internship in Technical Communication
A cooperative arrangement between IIT and industry, the internship provides students with hands-on experience in the field of technical communication.
Credit: Variable

COM 491
Independent Reading and Research
Consent of department. For advanced students. Based on the selected topic, this course may or may not be applied to the humanities general education requirement. Consult the course instructor.
Prerequisite(s): HUM 102 or HUM 104 or HUM 106
Credit: Variable
Satisfies: Humanities (H)

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 exposes 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 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 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

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 copy marking, copy editing, 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 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 543
Publication Management
Intensive work developing and using systems to create and
deliver content digitally and in print. Special emphasis on project
management and large-team collaboration. Formerly known as COM
537.
Prerequisite(s): COM 530* with min. grade of C or COM 541* with
min. grade of C or COM 542* with min. grade of C, An asterisk (*)
designates a course which may be taken concurrently.
Lecture: 3 Lab: 0 Credits: 3

COM 545
Writing for Academic Publication
Practice in developing written and spoken academic genres
(e.g., reviews, articles, conference papers, CVs, job talks). Special
attention to analyzing and evaluating academic journals; submitting
items to journals and conferences; managing time during 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
Globalization and Localization
The examination and application of research on cultural dimensions
in communication such as individualist versus collectivist. Also,
an examination of topics from a theoretical linguistic perspective
such as contrastive rhetoric. These topics are then related to best
practices in web and document design.
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
An investigation into a topic of current interest in communication, which will be announced by the instructor when the course is scheduled.
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 and 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