

252. **Women in Antiquity.** (3h) Exploration of the place of women in Greek and Roman society through the study of a wide range of primary sources, literary and non-literary. A knowledge of the Greek and Latin languages is not required. (CD)

255. **Classical Epic: Iliad, Odyssey, Aeneid.** (3h) Study of the three principal epic poems from ancient Greece and Rome. A knowledge of the Greek and Latin languages is not required. (D)

259. **Virgil and His English Legacy.** (3h) Study of Virgil's Eclogues, Georgics, and selected passages of the Aeneid, and their influence on English literature, using translations and original works by writers of the 16th through the 18th centuries, including Spenser, Marlowe, Milton, Dryden, and Pope. Knowledge of Latin is not required. (D)

261. **Greek Myth.** (3h) Consideration, principally through close study of selected literary works, of Greek myth from the Classical, Archaic, and Hellenistic periods, and in Roman literature; the course also considers Greek myth's afterlife in the modern period. A knowledge of the Greek language is not required. (D)

263. **Greek Tragedy.** (3h) Study of the plays of Aeschylus, Sophocles, and Euripides. A knowledge of the Greek language is not required. (D)

264. **Greek and Roman Comedy.** (3h) Representative works of Aristophanes, Menander, Plautus, and Terence, with attention to the performance and audiences of comedy and to the differences among and within comic genres. A knowledge of the Greek and Latin languages is not required. (D)

272. **A Survey of Latin Literature (in English).** (3h) Study of selections from Latin literature in English translation. A knowledge of the Latin language is not required. (D)

374. **Special Topics.** (1.5-3h) Special topics in classical literature and culture. May be repeated for credit.

375. **The Age of Pericles.** (3h) Study of Greek culture in all its aspects during the 5th century. A knowledge of the Greek language is not required. (CD)

376. **The Age of Augustus.** (3h) Study of Roman culture in all its aspects during the early Empire. A knowledge of the Latin language is not required. (CD)

381. **Seminar in Classical Studies.** (3h) Offered by members of the faculty on topics of their choice. A knowledge of Greek and Latin languages is not required. May be repeated for credit. P—Any CLA 200-level course or POI.

388. **Individual Study.** (1.5h or 3h) Course may be repeated for a total of 6 hours. P—POI.

391, 392. **Honors in Classical Studies.** (1.5h, 1.5h) Directed research for the honors paper. P—POD.

Communication (COM)

Chair Allan D. Louden

University Distinguished Chair in Communication Ethics and Professor Michael J. Hyde

Professors Mary M. Dalton, Sandra Dickson, Michael David Hazen, Woodrow Hood,

Marina Krcmar, Allan D. Louden, Ananda Mitra, Randall G. Rogan

Associate Professors Steven M. Giles, John T. Llewellyn, Alessandra Von Burg,

Margaret D. Zulick

Assistant Professors Jarrod Atchison, Mollie Canzona, Jennifer Priem, Ron Von Burg

Associate Professor of Practice Justin Green (Debate Coach)

Assistant Professor of Practice Ken Strange, (Associate Debate Coach)

Assistant Teaching Professor David Stokes Piercy (Film Production)

Visiting Assistant Professor Sarah Green Snider

Senior Lecturer Dee Oseroff-Varnell

Permanent Part-time Lecturer T. Nathaniel French

Manager of Communication/Media Laboratory Ernest S. Jarrett

Affiliated Teaching Professors Peter Gilbert, Cindy Hill, Cara Pilson

Adjunct Professor of Practice (Bioethics) Richard Robeson

A major in communication requires 30 hours, at least 12 of which must be at the 300-level. All majors are required to take courses 102 or 110, 220 and 225 and should begin their study of communication with these courses. An overall minimum GPA of 2.0 in all communication courses attempted is required for graduation.

The Department of Communication offers its majors the opportunity to concentrate in special areas of study. Communication majors may choose to concentrate in communication science, media studies, or rhetorical studies. Students may also opt to choose courses across the concentrations as a general communication major.

In addition to the major course requirements, COM 102 or 110, 220, and 225, students who want to declare a concentration must successfully complete five courses within a particular concentration. Students may declare two concentrations within the department. The major course requirements remain in effect for those students, and they must take a minimum of 18 hours at the 300-level. Students may not count courses used to meet the required five courses within a particular concentration to fulfill requirements for a second concentration. A list of courses approved to fulfill the concentrations in communication science, media studies, and rhetorical studies is maintained by the communication department. Students declaring a concentration must do so prior to the beginning of their final semester.

A minor in communication requires 18 hours, at least three of which must be at the 300-level, and shall include courses 102 or 110, and 220 or 225. An overall minimum GPA of 2.0 in all communication courses attempted is required for graduation.

COM 280 is open to majors and minors only who satisfy departmental requirements. For 3 hours of internship credit, students need a minimum of 120 on-site contact hours; applications for internship hours need to be approved by a faculty supervisor and the internship director, or the director of undergraduate studies. Only 3 hours can count toward a major or minor. Students may enroll in up to 3 hours of practicum in any semester. Practicum hours need to be approved by supervising faculty. Students can earn a maximum of 6 hours practicum, only 3 hours of which may be counted toward a major or minor in communication.

Honors. Highly qualified majors are invited by the department to apply for admission to the honors program in communication. To be graduated with the designation "Honors in Communication," students must have a major GPA of 3.8 or above prior to entering their final semester, declare for honors by the week before the last add/drop date, select a paper or creative work and faculty member to work with, submit the final version of paper or creative work to the Undergraduate Committee for acceptance by the Committee and, if accepted, present the work at the award ceremony of the

Department of Communication.

100. Introduction to Communication and Rhetoric. (3h) Introduction to the theories, research, and analysis of verbal and nonverbal processes by which human beings share meanings and influence one another. (D)

102. Debate and Advocacy. (3h) The use of argumentative techniques in oral advocacy: research, speeches, and debate. (D)

110. Public Speaking. (3h) Study of the theory and practice of public address. Lab experiences in the preparation, delivery, and critique of informative and persuasive speeches. (D)

113. Relational Communication. (3h) Introduction to relational communication theory, research, and principles. (D)

117. Writing for Public Relations and Advertising. (1.5h, 3h) Principles and techniques of public relations and applied advertising. Students use case studies to develop public relations and advertising strategies. Also listed as JOU 286.

120. Introduction to Film and Media Aesthetics. (3h) Introduction to the major theories and aesthetics of motion pictures and other media forms through a study of styles related to writing, directing, cinematography, editing, and sound. (D)

140. Information and Disinformation on the Internet. (1.5h) Examination of information gathering practices on the Internet and World Wide Web. Students develop and apply standards for evaluating information through analysis of websites dealing with important and controversial topics.

215. Broadcast Journalism. (3h) Introduction to the theory and practice of broadcast journalism. Topics include ethics, technology, and the media as industry, and projects address writing, producing, and performing for radio and television.

216. On-Camera Performance. (3h) Introduces the theory and practice of performing for the camera. Covers basic camera, commercial work, how-to videos, newscasting, and other performance formats.

217. Imagination Project. (3h) The production of short films, digital study guides or E-books and/or other types of multimedia materials on important social, political, cultural and economic issues. Opportunities for students to immerse themselves in a topic and interact with scholars from various disciplines (topics vary each year).

220. Empirical Research in Communication. (3h) Introduction to methodological design and univariate statistics as used in communication research. (QR)

225. Rhetorical Theory and Criticism. (3h) Introduces students to the historical and critical analysis of rhetoric. Examines current methods of rhetorical criticism with a view to researching and composing a critical paper in the field.

245. Introduction to Mass Communication. (3h) Historical survey of mass media and an examination of major contemporary media issues. (D)

247. Foundations of Digital Media. (3h) Students produce a variety of short-form media projects. P—COM 246.

250. Communication in Entrepreneurial Settings. (3h) Using a fictitious start-up company, students will discover and apply business communication strategies to build new businesses. Also listed as ESE 250.

270. Special Seminar. (1h-3h) Examination of selected topics in communication.

280. Communication Internship I. (1.5h, 3h) Individual communication internships to be approved, supervised, and evaluated by an appropriate faculty adviser. Pass/Fail only. P—POI.

282. Debate Practicum I. (1.5h) Individual projects in debate to be approved, supervised, and evaluated by an appropriate faculty adviser. Pass/Fail only. P—POI.

283. Debate Practicum II. (1.5h) Individual projects in debate to be approved, supervised, and evaluated by an appropriate faculty adviser. Pass/Fail only. P—POI.

284. Production Practicum I. (1.5h) Individual projects or collaborations with appropriate professionals in media production to be approved, supervised, and evaluated by a faculty adviser. Pass/Fail only. P—POI.

285. Production Practicum II. (1.5h) Individual projects or collaborations with appropriate professionals in media production to be approved, supervised, and evaluated by a faculty adviser. Pass/Fail only. P—POI.

286. Individual Study. (1h-3h) Directed study in an area of interest to be approved and supervised by a faculty adviser. P—POI.

287. Research Practicum I. (1.5h) Credit opportunities for students to collaborate with faculty on research projects. Awards credit to students assisting faculty with research initiatives led by the faculty. Projects may be short term, culminating in presentation or publication, or longitudinal, where the student participates in an on-going effort. Pass/Fail only. P—POI.

288. Research Practicum II. (1.5h) Awards credits to students assisting faculty with research initiatives led by the faculty. Projects may be short term, culminating in presentation or publication, or longitudinal, where the student participates in an on-going effort. Pass/Fail only. P—POI.

300. Classical Rhetoric. (3h) Study of major writings in Greek and Roman rhetorical theory from the Sophists to Augustine. *Offered in alternate years.*

302. Argumentation Theory. (3h) Examination of argumentation theory and criticism; examines both theoretical issues and social practices. *Offered in alternate years.*

303. Directing the Forensic Program. (1.5h, 3h) Pragmatic study of the methods of directing high school and college forensics with work in the High School Debate Workshop.

304. Freedom of Speech. (3h) Examination of the philosophical and historical traditions, significant cases, and contemporary controversies concerning freedom of expression.

305. Communication and Ethics. (3h) Study of the role of communication in ethical controversies.

307. The Prophetic Mode in American Public Discourse. (3h) Investigates prophetism as a rhetorical act by examining Biblical forms of prophetic speech and investigating how these forms influence American public discourse.

308. Speechwriting. (3h) Examines representative historic and contemporary speechwriting, including composition and delivery of ceremonial, legal, and political speeches. Builds practical knowledge through delivery, discussion and interviews with professional speechwriters.

309. Visual Storytelling. (3h) The course overviews digital media as well as studying the meaning of how visual images are used in our society. The course is designed to look at the changing landscape of visual storytelling.

310. Advanced Digital Media. (3h) Students produce advanced media projects over which they assume significant creative control. P—COM 247.

312. Film History to 1945. (3h) Survey of the developments of motion pictures to 1945. Includes lectures, readings, reports, and screenings.

313. Film History since 1945. (3h) Survey of the development of motion pictures from 1946 to the present day. Includes lectures, readings, reports, and screenings.

314. Media Effects. (3h) Theory and research on the influences and effects of mass media on audiences. These include reception, cognitive processing, and attitudinal and behavioral influences.

315. Communication and Technology. (3h) Exploration of how communication technologies influence the social, political, and organizational practices of everyday life.

316. Screenwriting. (3h) Introduction to narrative theory as well as examination of the role of the screenwriter in the motion picture industry, the influence of genre on screenwriting, and exploration of nontraditional narrative structures. Students complete an original, feature-length screenplay.

317. Communication and Popular Culture. (3h) Explores the relationship between contemporary media and popular culture from a cultural studies perspective using examples from media texts.

318. Culture and the Sitcom. (3h) Explores the intersection of American culture and the television situation comedy, one of the oldest and most ubiquitous forms of television programming.

319. Media Ethics. (3h) Examines historical and contemporary ethical issues in the media professions within the context of selected major ethical theories while covering, among other areas, issues relevant to: journalism, advertising, public relations, filmmaking, and media management.

320. Media Theory and Criticism. (3h) Critical study of media including a survey of major theoretical frameworks. P—COM 246.

321. Communication Technology and Entrepreneurship. (3h) Explores how an e-commerce business plan development and marketing e-commerce ventures including social networking applications. Also listed as ESE 340.

322. Video Game Theory and Research. (3h) Examines recent theory and research regarding the uses, processing, and effects of video games.

323. Superheroes, Cinema and American Mythology. (3h) Examines the emergence of superhero films in American cinema as a representation and response to historical and ideological contexts.

330. Communication and Conflict. (3h) Review of the various theoretical perspectives on conflict and negotiation as well as methods for managing relational conflict.

331. Communication, Terrorism, and Hostage Negotiation. (3h) Examines domestic and international terrorism as grounded in extant communication theory, with emphasis on explicating the role that communication plays in current conceptualizations and responses to terrorism.

335. Survey of Organizational Communication. (3h) Overview of the role of communication in constituting and maintaining the pattern of activities that sustain the modern organization.

336. Organizational Rhetoric. (3h) Explores the persuasive nature of organizational messages—dealing with risk, reputation, image, legitimacy and strategic communication—including those exchanged between organizational members and those presented on behalf of the organization as a whole.

338. African-American Rhetoric. (3h) Explores how African Americans have invented a public voice in the 20th century. Focuses on how artistic cultural expression, in particular, has shaped black public speech. (CD)

339. Practices of Citizenship. (3h) Explores the history and theory of citizenship as a deliberative practice linked to the rhetorical tradition of communication with an emphasis on participatory and deliberative skills as part of the process in which communities are formed and citizens emerge as members.

340. American Public Discourse I. (3h) Examines the influence of emancipation movements on American public discourse by reading and analyzing original speeches and documents with emphasis on abolition of slavery and woman's rights.

341. American Public Discourse II. (3h) Examines the influence of emancipation movements on American public discourse by reading and analyzing original speeches and documents. Among the movements addressed are labor, civil rights, student protest, and women's liberation.

342. Political Communication. (3h) Study of electoral communication, including candidate and media influences on campaign speeches, debates, and advertising.

343. Presidential Rhetoric. (3h) Examines theory and practice of speechmaking and mediated presidential communication.

344. Conspiracy Theories in American Public Discourse. (3h) Study of the role of conspiracy discourse in American public discourse from the nation's founding through modern events.

345. Rhetoric of Science and Technology. (3h) Examination of how scientific and technological discourses function rhetorically in public arenas to affect non-scientific publics' understanding.

346. Sport, Media, and Communication. (3h) Examines the role of sport in society, cultural, and institutional practice. Surveys the values represented by interpersonal and mediated messages regarding key dimensions of sport including competition, ethics, gender, and race.

347. Rhetoric of the Law. (3h) Examination of legal discourses including trial and appeal processes through motions to closing arguments.

348. Legal Theory, Practice, and Communication. (3h) Introduces students to legal education, the legal system and legal analysis. (Co-taught by law and communication faculty). *Summer.*

349. Advocacy, Debate and the Law. (3h) Students develop and critique speeches, debates, trial practice and moot court across a variety of legal speaking venues. (Co-taught by law and communication faculty). *Summer.*

350. Intercultural Communication. (3h) Introduction to the study of communication phenomena between individuals and groups with different cultural backgrounds. (CD)

351. Comparative Communication. (1.5h, 3h) Comparison of communicative and linguistic processes in one or more national cultures with those of the U.S. Also listed as LIN 351 and INS 349. Credit not given for both COM 351A and INS 349. (CD)

351A. *Japan (CD)* 351C. *Great Britain (CD)* 351E. *China (CD)*
 351B. *Russia (CD)* 351D. *Multiple Countries (CD)*

352. Interpersonal Seminar. (3h) Advanced study of theories and research in one or more of the specialized concentrations of interpersonal communication.

353. Persuasion. (3h) Examination of theories and research concerning the process of social influ-

ence in contemporary society.

354. International Communication. (3h) In-depth look at the role of mass media in shaping communication between and about cultures using examples from traditional and emerging media systems. (CD)

355. Survey of Health Communication. (3h) Examination of theories, research, and processes of health communication in contemporary society.

356. Health Communication: Patient-Provider. (3h) Explores contemporary issues related to communication in health care contexts, notably theories and research on patient-provider communication.

357. Health Communication Campaigns. (3h) Examination of the principles behind designing, implementing, and evaluating a health campaign, including message design and application of media theories for behavior change.

358. Health Communication and Bioethics. (3h) Examination of the problems of justice in health care and the meaning of human dignity in the face of illness and the technologies of treatment.

370. Special Topics. (1h-3h) Examination of topics not covered in the regular curriculum.

380. Great Teachers. (1h, 1.5h, 3h) Intensive study of the ideas of three noted scholars and teachers in the field of communication. Students interact with each teacher during a two- to three-day visit to Wake Forest.

Computer Science (CSC)

Chair Peter Santago

Research Professor Robert J. Plemmons

Professors Jennifer J. Burg, Errin W. Fulp, David J. John, Peter Santago

Associate Professors Daniel A. Cañas, V. Paúl Pauca, Stan J. Thomas, Todd C. Torgersen, William H. Turkett Jr.

Assistant Professor Samuel Cho

Visiting Assistant Professor Taeghyun Kang

Affiliate Associate Professor H. Donald Gage

A bachelor of science in computer science requires a minimum of 38 hours in computer science and three courses in mathematics. The courses in computer science must include 111, 112, 211, 221, 222, 231, 241, 399, and at least 12 hours in computer science fulfilled with courses at the 300-level or higher. The required courses in mathematics are MTH 112, MTH 117, and one of the following: MTH 121, 205, or 206. MTH 113 and either MTH 256 or 357 are recommended for students considering graduate work in computer science.

A bachelor of arts in computer science requires a minimum of 27 hours in computer science and three courses in mathematics or statistics. The courses in computer science must include 111, 112, 221, 241, and 399. The required computer science courses also include 3 hours at the 191-level or higher, 3 hours at the 200-level or higher, and 6 hours at the 300-level or higher. The required courses in mathematics are MTH 117; either MTH 121, 205, or 206; and one course selected from MTH 109, 112, or 256, or any statistics course approved by the Computer Science Department.

A minor in computer science requires a minimum of 17 hours in computer science and MTH 117. The courses in computer science must include CSC 111, 112, and 221, 3 hours at the 191-level or higher, and 3 hours at the 300-level or higher.

A minimum GPA of 2.0 in the computer science courses that compose a major or minor in the department is required for graduation.

Students with a special interest in multidisciplinary work should consider a program of study that combines computer science with another discipline through either a double major or a minor.

Students do **not** need prior computer science experience to major in computer science. While not required, students interested in the major are encouraged to:

- take CSC 111 and MTH 117 in their freshman year. Students with appropriate experience or AP scores may skip CSC 111 and go straight to CSC 112. Credit is given for CSC 111 with an AP score of 5. With an AP score of 4, students may skip CSC 111 but will not receive credit.
- take CSC 112 and CSC 221 as early as feasible. Completing these courses in the sophomore year provides the most flexibility in scheduling other required courses and electives. While not necessary, completing CSC 111, 112, 221, and MTH 117 by the end of the fall semester of the sophomore year provides the best flexibility, especially for the BS.
- consider taking another 200-level course in the sophomore year. Reviewing prerequisites for the 300-level electives may help in the decision regarding which 200-level courses to take early. For example, CSC 241 is a prerequisite for CSC 348 Computer Security.

Honors. Highly qualified majors are invited by the department to apply for admission to the honors program. To be graduated with the designation “Honors in Computer Science,” students must satisfactorily complete a senior research paper and have a minimum GPA of 3.5 in the major and 3.0 in all college course work. Interested students should consult the computer science honors program director with questions and computer science faculty members for research ideas.

Students who are enrolled at Wake Forest University may not take courses in computer science at other institutions to satisfy divisional requirements.

101. Overview of Computer Science. (4h) Lecture and laboratory. Overview of computer science. Students are introduced to the core areas of computer science. Topics include data representation, logic, computer organization, pseudo-code, machine/assembly code, higher-level language, algorithms, abstract data types, operating systems, and networks. Algorithms and programming are introduced through analysis of existing code. Lab—2 hours. (D, QR)

111. Introduction to Computer Science. (4h) Lecture and laboratory. Introduction to the basic concepts of computer programming and algorithmic problem solving for students with little or no programming experience. Recommended as the first course for students considering a major or minor in computer science; also appropriate for students who want computing experience applicable to other disciplines. Lab – 2 hours. (D)

112. Fundamentals of Computer Science. (4h) Lecture and laboratory. PProblem solving and program construction using top-down design, data abstraction, and object-oriented programming. Memory addressing, dynamic memory allocation, and linear data structures are introduced. Lab – 2 hours. P—CSC 111 or POI. (D)

165. Problem Solving Seminar. (1h) Weekly seminar designed for students to develop their problem solving skills designing and implementing software. Does not count toward the computer