

MEMORANDUM

Faculty Senate approved February 09, 2017

TO: Deans and Chairs
 FROM: Becky Bitter, Sr. Assistant Registrar
 DATE: February 1, 2017
 SUBJECT: Minor Change Bulletin No. 7

The courses listed below reflect the minor curricular changes approved by the catalog editor since approval of the last Minor Change Bulletin. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	Revise Drop	Current	Proposed	Effective Date
CE	431	Revise	Structural Steel Design 3 Course Prerequisite: CE 330 with a C or better; CE 414 or concurrent enrollment; certified major in Civil Engineering. Design of steel structures by load and resistance factor design (LRFD); behavior and design of beams, columns, tension members and connections. Typically offered Spring.	Structural Steel Design 3 Course Prerequisite: CE 330 with a C or better; CE 414 or concurrent enrollment; certified major in Civil Engineering. Design of steel structures by load and resistance factor design (LRFD); behavior and design of beams, columns, tension members and connections. Typically offered Spring. <u>Cooperative: Open to UI degree-seeking students.</u>	1-17
COM	300	Revise	[M] Writing in Communication 3 (2-3) Course Prerequisite: Certified major or minor in Communication. Writing for a variety of communication professions, including advertising, broadcasting, print journalism, public relations, and science communication. Typically offered Fall, Spring, and Summer.	[M] Writing in Communication 3 (2-3) Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of</u> Communication. Writing for a variety of communication professions, including advertising, broadcasting, print journalism, public relations, and science communication. Typically offered Fall, Spring, and Summer.	1-17
COM	309	Revise	(COMSTRAT) Quantitative Research Methods 3 Course Prerequisite: Certified major or minor in Communication. Measurement, questionnaire construction, sampling, data	(COMSTRAT) Quantitative Research Methods 3 Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of</u> Communication. Measurement, questionnaire construction,	1-17

			collection techniques, analysis and hypothesis testing in communication research. Typically offered Fall, Spring, and Summer.	sampling, data collection techniques, analysis and hypothesis testing in communication research. Typically offered Fall, Spring, and Summer.	
COM	320	Revise	Visual Communication 3 Course Prerequisite: COM 210; COM 300 with a C or better; certified major or minor in Communication. Visual communication in today's print, electronic, and broadcast media to inform, educate, and persuade. Typically offered Fall and Spring.	Visual Communication 3 Course Prerequisite: COM 210; COM 300 with a C or better; certified <u>in any</u> major or minor in <u>the College of Communication</u> . Visual communication in today's print, electronic, and broadcast media to inform, educate, and persuade. Typically offered Fall and Spring.	1-17
COM	395	Revise	Science Writing 3 Course Prerequisite: COM 300; certified major in Communication. Writing about science and technology for print, online, public relations, and broadcast formats. Typically offered Fall.	Science Writing 3 Course Prerequisite: COM 300; certified <u>in any</u> major in <u>the College of Communication</u> . Writing about science and technology for print, online, public relations, and broadcast formats. Typically offered Fall.	1-17
COM	410	Revise	History of Mass Communications 3 Course Prerequisite: Certified major or minor in Communication; junior standing.	History of Mass Communications 3 Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of Communication</u> ; junior standing.	1-17
COM	415	Revise	Media Law 3 Course Prerequisite: Certified in major or minor in Communication; junior standing. Basic concepts and theories of the First Amendment's protection of speech and press. Typically offered Fall, Spring, and Summer.	Media Law 3 Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of Communication</u> ; junior standing. Basic concepts and theories of the First Amendment's protection of speech and press. Typically offered Fall, Spring, and Summer.	1-17
COM	420	Revise	New Communication Technologies 3 Course Prerequisite: Certified major or minor in Communication; junior standing. New communication technologies, their impact on communication processes, access, regulation, and communication in organization/professional	New Communication Technologies 3 Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of Communication</u> ; junior standing. New communication technologies, their impact on communication processes, access, regulation, and communication in	1-17

			contexts. Typically offered Fall and Spring.	organization/professional contexts. Typically offered Fall and Spring.	
COM	440	Revise	Media Ethics 3 Course Prerequisite: Certified major or minor in Communication; junior standing. Foundations and frameworks of media ethics; case studies in assessing media performance. Typically offered Fall, Spring, and Summer.	Media Ethics 3 Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of Communication</u> ; junior standing. Foundations and frameworks of media ethics; case studies in assessing media performance. Typically offered Fall, Spring, and Summer.	1-17
COM	460	Revise	Mass Media Criticism 3 Course Prerequisite: Certified major or minor in Communication; junior standing. Theoretical and philosophical basis for critical analysis of mass communication. Typically offered Fall and Spring.	Mass Media Criticism 3 Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of Communication</u> ; junior standing. Theoretical and philosophical basis for critical analysis of mass communication. Typically offered Fall and Spring.	1-17
COM	464	Revise	Gender and the Media 3 Course Prerequisite: COM 101, WOMEN ST 101, or WOMEN ST 201; certified major or minor in Communication. How news and entertainment media shape and reinforce societal expectations of gender; consideration of race, age, class, and sexual orientation. (Crosslisted course offered as COM 464, WOMEN ST 464). Typically offered Summer Session.	Gender and the Media 3 Course Prerequisite: COM 101, WOMEN ST 101, or WOMEN ST 201; certified <u>in any</u> major or minor in <u>the College of Communication</u> . How news and entertainment media shape and reinforce societal expectations of gender; consideration of race, age, class, and sexual orientation. (Crosslisted course offered as COM 464, WOMEN ST 464). Typically offered Summer Session.	1-17
COM	470	Revise	Mass Communications Theories and Theory Construction 3 Course Prerequisite: Certified major or minor in Communication; senior standing. Theories of mass communication and the process of theory construction.	Mass Communications Theories and Theory Construction 3 Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of Communication</u> ; senior standing. Theories of mass communication and the process of theory construction.	1-17
COM	482	Revise	Computer Mediated Communication 3 Course Prerequisite: Certified major or minor in Communication; junior standing. Social and	Computer Mediated Communication 3 Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of Communication</u> ; junior standing.	1-17

			psychological implications of computer mediated communication and differences from face-to-face communication. Typically offered Spring.	Social and psychological implications of computer mediated communication and differences from face-to-face communication. Typically offered Spring.	
COM	486	Revise	(COMSTRAT 478) Crisis Communication 3 Course Prerequisite: Certified major in Communication; junior standing. Crisis communication in health, environment, public safety, animal health, and other topics. Case studies and application of principles to in-class practice cases. Typically offered Fall and Spring.	(COMSTRAT 478) Crisis Communication 3 Course Prerequisite: Certified <u>in any</u> major in <u>the College of</u> Communication; junior standing. Crisis communication in health, environment, public safety, animal health, and other topics. Case studies and application of principles to in-class practice cases. Typically offered Fall and Spring.	1-17
COM	497	Revise	Practicum in Communication V 1-3 May be repeated for credit; cumulative maximum 6 hours. Course Prerequisite: Certified major or minor in Communication; by permission only. Practicum experience for students in Communication. Faculty directed. Typically offered Fall, Spring, and Summer. S, F grading.	Practicum in Communication V 1-3 May be repeated for credit; cumulative maximum 6 hours. Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of</u> Communication; by permission only. Practicum experience for students in Communication. Faculty directed. Typically offered Fall, Spring, and Summer. S, F grading.	1-17
COMJOUR	333	Revise	[M] Reporting Across Platforms 3 Course Prerequisite: COM 210; COM 300 with a C or better; certified major or minor in Communication. Instruction in reporting, writing and editing news stories suitable for publication and on-air presentation. Typically offered Fall, Spring, and Summer.	[M] Reporting Across Platforms 3 Course Prerequisite: COM 210; COM 300 with a C or better; certified <u>in any</u> major or minor in <u>the College of</u> Communication. Instruction in reporting, writing and editing news stories suitable for publication and on-air presentation. Typically offered Fall, Spring, and Summer.	1-17
COMJOUR	335	Revise	Broadcast News Reporting 3 (2-3) Course Prerequisite: COMJOUR 333; certified major in Communication. Fundamentals of broadcast reporting; development of editorial and news judgment,	Broadcast News Reporting 3 (2-3) Course Prerequisite: COMJOUR 333; certified <u>in any</u> major in <u>the College of</u> Communication. Fundamentals of broadcast reporting; development of editorial and	1-17

			writing skills, and proficiency in field camera production and editing. Typically offered Fall and Spring.	news judgment, writing skills, and proficiency in field camera production and editing. Typically offered Fall and Spring.	
COMJOUR	350	Revise	News and Society 3 (2-3) Course Prerequisite: Certified major in Communication. Fundamentals of historic, contemporary, and emerging models of news production; social contexts and effects, alternative sources, and critiques of news. Typically offered Fall and Spring.	News and Society 3 (2-3) Course Prerequisite: Certified <u>in any major in the College of</u> Communication. Fundamentals of historic, contemporary, and emerging models of news production; social contexts and effects, alternative sources, and critiques of news. Typically offered Fall and Spring.	1-17
COMJOUR	355	Revise	Beginning Television Production 3 (1-6) Course Prerequisite: COMJOUR 333; certified major in Communication. Beginning television studio production, directing, lighting, graphic design, editing, video/audio compression. Typically offered Fall and Spring.	Beginning Television Production 3 (1-6) Course Prerequisite: COMJOUR 333; certified <u>in any major in the College of</u> Communication. Beginning television studio production, directing, lighting, graphic design, editing, video/audio compression. Typically offered Fall and Spring.	1-17
COMJOUR	360	Revise	Writing for Television 3 (2-3) Course Prerequisite: Certified major Communication. Theory and practice of writing scripts: analysis of dramatic, comedic, commercial, documentary scripts; writing scripts for each genre. Typically offered Fall and Spring.	Writing for Television 3 (2-3) Course Prerequisite: Certified <u>in any major in the College of</u> Communication. Theory and practice of writing scripts: analysis of dramatic, comedic, commercial, documentary scripts; writing scripts for each genre. Typically offered Fall and Spring.	1-17
COMJOUR	390	Revise	Video for the Web 3 (2-3) Course Prerequisite: COM 210; certified major in Communication. Capture, design, edit, and compress quality video and audio; basic lighting techniques. Typically offered Fall and Spring.	Video for the Web 3 (2-3) Course Prerequisite: COM 210; certified <u>in any major in the College of</u> Communication. Capture, design, edit, and compress quality video and audio; basic lighting techniques. Typically offered Fall and Spring.	1-17
COMJOUR	425	Revise	[M] Reporting of Public Affairs 3 Course Prerequisite: COMJOUR 333 or JOUR 305 ; certified major in	[M] Reporting of Public Affairs 3 Course Prerequisite: COMJOUR 333; certified <u>in any major in the College of</u>	1-17

			Communication. Research covering public and private sectors. Typically offered Fall, Spring, and Summer.	Communication. Research covering public and private sectors. Typically offered Fall, Spring, and Summer.	
COMJOUR	433	Revise	Advanced Radio News and Production 3 (2-3) Course Prerequisite: COMJOUR 333 or JOUR 305; certified major in Communication. Intense radio news and production course designed to refine radio news writing, reporting, and on-air presentation skills.	Advanced Radio News and Production 3 (2-3) Course Prerequisite: COMJOUR 333; certified <u>in any</u> major in <u>the College of Communication</u> . Intense radio news and production course designed to refine radio news writing, reporting, and on-air presentation skills.	1-17
COMJOUR	455	Revise	Advanced Television Production 4 (3-3) May be repeated for credit; cumulative maximum 8 hours. Course Prerequisite: COMJOUR 355; certified major in Communication. Field production; editing; advanced studio production. Typically offered Fall and Spring.	Advanced Television Production 4 (3-3) May be repeated for credit; cumulative maximum 8 hours. Course Prerequisite: COMJOUR 355; certified <u>in any</u> major in <u>the College of Communication</u> . Field production; editing; advanced studio production. Typically offered Fall and Spring.	1-17
COMJOUR	465	Revise	[M] Advanced Television News 4 (3-3) May be repeated for credit; cumulative maximum 8 hours. Course Prerequisite: COMJOUR 335; certified major in Communication. Writing, reporting, and editing broadcast news; development and production of broadcast quality news. Typically offered Fall and Spring.	[M] Advanced Television News 4 (3-3) May be repeated for credit; cumulative maximum 8 hours. Course Prerequisite: COMJOUR 335; certified <u>in any</u> major in <u>the College of Communication</u> . Writing, reporting, and editing broadcast news; development and production of broadcast quality news. Typically offered Fall and Spring.	1-17
COMJOUR	466	Revise	Digital Video Editing for News Reporting and Documentary 3 (2-3) Course Prerequisite: Certified major or minor in Communication. Video editing for news reporting; feature-length editing for news and public affairs topics; documentaries; visual storytelling. Typically offered Fall and Spring.	Digital Video Editing for News Reporting and Documentary 3 (2-3) Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of Communication</u> . Video editing for news reporting; feature-length editing for news and public affairs topics; documentaries; visual storytelling. Typically offered Fall and Spring.	1-17

COMJOUR	481	Revise	Broadcast Management 3 Course Prerequisite: Certified major or minor in Communication; senior standing. Typically offered Fall and Spring.	Broadcast Management 3 Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of Communication</u> ; senior standing. Typically offered Fall and Spring.	1-17
COMJOUR	486	Revise	(475) Murrow News Service 3 May be repeated for credit; cumulative maximum 9 hours. Course Prerequisite: COMJOUR 335, 355, or 425; certified major in Communication. Advanced journalism and media production to produce investigative, watchdog news reports for media outlets and public. Typically offered Fall and Spring.	Murrow News Service 3 May be repeated for credit; cumulative maximum 9 hours. Course Prerequisite: COMJOUR 335, 355, or 425; certified <u>in any</u> major in <u>the College of Communication</u> . Advanced journalism and media production to produce investigative, watchdog news reports for media outlets and public. Typically offered Fall and Spring.	1-17
COMJOUR	495	Revise	Broadcasting Professional Internship V 2-12 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: COMJOUR 333; COMJOUR 350; COMJOUR 355 or 425; certified major in Communication; by interview only. Typically offered Fall, Spring, and Summer. S, F grading.	Broadcasting Professional Internship V 2-12 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: COMJOUR 333; COMJOUR 350; COMJOUR 355 or 425; certified <u>in any</u> major in <u>the College of Communication</u> ; by interview only. Typically offered Fall, Spring, and Summer. S, F grading.	1-17
COMSOC	301	Revise	Foundations of Persuasion 3 Course Prerequisite: Certified major or minor in Communication. Theories of persuasion and social action; study of strategies and techniques for the persuasive use of language and other symbols. Typically offered Fall, Spring, and Summer.	Foundations of Persuasion 3 Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of Communication</u> . Theories of persuasion and social action; study of strategies and techniques for the persuasive use of language and other symbols. Typically offered Fall, Spring, and Summer.	1-17
COMSOC	324	Revise	[M] Reasoning and Writing 3 Course Prerequisite: COM 210; COM 300 with a C or better; certified major in f Communication. Theories of persuasion and social action;	[M] Reasoning and Writing 3 Course Prerequisite: COM 210; COM 300 with a C or better; certified <u>in any</u> major in <u>the College of Communication</u> . Theories of persuasion and social	1-17

			study of strategies and techniques for the persuasive use of language and other symbols.	action; study of strategies and techniques for the persuasive use of language and other symbols.	
COMSOC	325	Revise	(476) Environmental Communication 3 Course Prerequisite: Certified major or minor in Communication; junior standing. How communication shapes human understanding and decision making concerning the natural environment in local, national, and global contexts. Typically offered Fall.	Environmental Communication 3 Course Prerequisite: Certified <u>in any</u> major or minor in <u>the College of Communication</u> ; junior standing. How communication shapes human understanding and decision making concerning the natural environment in local, national, and global contexts. Typically offered Fall.	1-17
COMSOC	480	Revise	Science Communication Campaigns 3 Course Prerequisite: COMSOC 324 or COMSTRAT 383; COMSOC 325; COMSTRAT 309; certified major in f Communication. Develop an effective communication campaign to address a science communication challenge. Typically offered Spring.	Science Communication Campaigns 3 Course Prerequisite: COMSOC 324 or COMSTRAT 383; COMSOC 325; COMSTRAT 309; certified <u>in any</u> major in <u>the College of Communication</u> . Develop an effective communication campaign to address a science communication challenge. Typically offered Spring.	1-17
COMSOC	499	Revise	Special Problems V 1-4 May be repeated for credit. Course Prerequisite: Certified major in Communication; by interview only. Independent study conducted under the jurisdiction of an approving faculty member; may include independent research studies in technical or specialized problems; selection and analysis of specified readings; development of a creative project; or field experiences. Typically offered Fall, Spring, and Summer. S, F grading.	Special Problems V 1-4 May be repeated for credit. Course Prerequisite: Certified <u>in any</u> major in <u>the College of Communication</u> ; by interview only. Independent study conducted under the jurisdiction of an approving faculty member; may include independent research studies in technical or specialized problems; selection and analysis of specified readings; development of a creative project; or field experiences. Typically offered Fall, Spring, and Summer. S, F grading.	1-17
COMSTRAT	310	Revise	Digital Content Promotion 3 Course Prerequisite: COM 210; COM 300 with a C or better; certified major in Communication. Practice and promotion of public relations and	Digital Content Promotion 3 Course Prerequisite: COM 210; COM 300 with a C or better; certified <u>in any</u> major in <u>the College of Communication</u> . Practice and promotion of public	1-17

			advertising through digital and social media. Typically offered Fall, Spring, and Summer.	relations and advertising through digital and social media. Typically offered Fall, Spring, and Summer.	
COMSTRAT	381	Revise	[M] Creative Media Strategies and Techniques for Advertising 3 Course Prerequisite: COM 210; COM 300 with a C or better; certified major in Communication; junior standing. Development of creative content for persuasive campaigns through different media. Typically offered Fall, Spring, and Summer.	[M] Creative Media Strategies and Techniques for Advertising 3 Course Prerequisite: COM 210; COM 300 with a C or better; certified <u>in any major in the College of Communication</u> ; junior standing. Development of creative content for persuasive campaigns through different media. Typically offered Fall, Spring, and Summer.	1-17
COMSTRAT	382	Revise	Media Planning 3 Course Prerequisite: COMSTRAT 380; certified major in Communication; junior standing. Media planning theories, strategies, and practices. Typically offered Fall, Spring, and Summer.	Media Planning 3 Course Prerequisite: COMSTRAT 380; certified <u>in any major in the College of Communication</u> ; junior standing. Media planning theories, strategies, and practices. Typically offered Fall, Spring, and Summer.	1-17
COMSTRAT	383	Revise	[M] Media Strategies and Techniques for Public Relations 3 Course Prerequisite: COM 210; COM 295 or COM 300; with C or better; certified major in Communication. Development of creative content for persuasive public relations campaigns through different media. Typically offered Fall and Spring.	[M] Media Strategies and Techniques for Public Relations 3 Course Prerequisite: COM 210; COM 300 with C or better; certified <u>in any major in the College of Communication</u> . Development of creative content for persuasive public relations campaigns through different media. Typically offered Fall and Spring.	1-17
COMSTRAT	475	Revise	Strategic Communication Seminar in Public Relations 3 May be repeated for credit; cumulative maximum 9 hours. Course Prerequisite: Certified major in Communication; junior standing. Theory, methods, and applications of communication and campaign management; political communication, health communication, freedom of expression, special audiences.	Strategic Communication Seminar in Public Relations 3 May be repeated for credit; cumulative maximum 9 hours. Course Prerequisite: <u>Certified in any major in the College of Communication</u> ; junior standing. Theory, methods, and applications of communication and campaign management; political communication, health communication, freedom of	1-17

			Typically offered Fall, Spring, and Summer.	expression, special audiences. Typically offered Fall, Spring, and Summer.	
COMSTRAT	476	Revise	Consumer Insights and Branding 3 May be repeated for credit; cumulative maximum 9 hours. Course Prerequisite: Certified major in Communication; junior standing. Advertising account planning based on a thorough understanding of target audiences and consumer research; linking client objectives, account management, creative and media planning. Typically offered Fall, Spring, and Summer.	Consumer Insights and Branding 3 May be repeated for credit; cumulative maximum 9 hours. Course Prerequisite: Certified <u>in any</u> major in <u>the College of Communication</u> ; junior standing. Advertising account planning based on a thorough understanding of target audiences and consumer research; linking client objectives, account management, creative and media planning. Typically offered Fall, Spring, and Summer.	1-17
COMSTRAT	477	Revise	Message Design for Communication Campaigns 3 Course Prerequisite: Certified major in Communication; junior standing. Theory-based design, market testing, and evaluation of messages for health and positive social outcomes. Typically offered Fall and Spring.	Message Design for Communication Campaigns 3 Course Prerequisite: Certified <u>in any</u> major in <u>the College of Communication</u> ; junior standing. Theory-based design, market testing, and evaluation of messages for health and positive social outcomes. Typically offered Fall and Spring.	1-17
COMSTRAT	480	Revise	[M] Advertising Agency Operation and Campaigns 3 Course Prerequisite: COMSTRAT 380; COMSTRAT 381; COMSTRAT 382; certified major in Communication; senior standing. Principles and functions of advertising management: campaign planning, execution, presentation and evaluation. Typically offered Fall and Spring.	[M] Advertising Agency Operation and Campaigns 3 Course Prerequisite: COMSTRAT 380; COMSTRAT 381; COMSTRAT 382; certified <u>in any</u> major in <u>the College of Communication</u> ; senior standing. Principles and functions of advertising management: campaign planning, execution, presentation and evaluation. Typically offered Fall and Spring.	1-17
COMSTRAT	485	Revise	[M] Public Relations Management and Campaigns 3 Course Prerequisite: COMSTRAT 309 or 409; COMSTRAT 312; COMSTRAT 381 or 383; certified major in Communication; senior standing.	[M] Public Relations Management and Campaigns 3 Course Prerequisite: COMSTRAT 309 or 409; COMSTRAT 312; COMSTRAT 381 or 383; certified <u>in any</u> major in <u>the College of</u>	1-17

			Application of public relations principles, management, persuasion theory and research methods to public relations issues. Typically offered Fall, Spring, and Summer.	Communication; senior standing. Application of public relations principles, management, persuasion theory and research methods to public relations issues. Typically offered Fall, Spring, and Summer.	
COMSTRAT	495	Revise	Strategic Communication Professional Internship V 2-12 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: One series COMJOUR 333 and COMSTRAT 312, OR COMSTRAT 380 and COMSTRAT 381 or 382; certified major in Communications; by interview only. Typically offered Fall, Spring, and Summer. S, F grading.	Strategic Communication Professional Internship V 2-12 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: One series COMJOUR 333 and COMSTRAT 312, <u>or</u> COMSTRAT 380 and COMSTRAT 381 or 382; certified <u>in any</u> major in <u>the College of Communication</u> ; by interview only. Typically offered Fall, Spring, and Summer. S, F grading.	1-17
COMSTRAT	499	Revise	Special Problems V 1-4 May be repeated for credit. Course Prerequisite: Certified major in Communication; by interview only. Independent study conducted under the jurisdiction of an approving faculty member; may include independent research studies in technical or specialized problems; selection and analysis of specified readings; development of a creative project; or field experiences. Typically offered Fall, Spring, and Summer. S, F grading.	Special Problems V 1-4 May be repeated for credit. Course Prerequisite: Certified <u>in any</u> major in <u>the College of Communication</u> ; by interview only. Independent study conducted under the jurisdiction of an approving faculty member; may include independent research studies in technical or specialized problems; selection and analysis of specified readings; development of a creative project; or field experiences. Typically offered Fall, Spring, and Summer. S, F grading.	1-17
E M	566		System Engineering Analysis and Practice 3 Problem-solving methodologies based on system concepts and design applications for complex, large-scale technical systems pertinent to program managers.	System Engineering Analysis and Practice 3 <u>Course Prerequisite: E M 565.</u> Problem-solving methodologies based on system concepts and design applications for complex, large-scale technical systems pertinent to program managers. <u>Typically offered Odd Years - Summer Session.</u>	8-17

ED PSYCH	563	Drop	Principles of Research 3 Course Prerequisite: COUN PSY 501, ED RES 562, or admission to EdD program. The centrality of literature review and the understanding of methods used in educational research; practice in designing research questions. (Crosslisted course offered as ED RES 563, ED PSYCH 563). Typically offered Spring and Summer.	--N/A--	8-17
ED PSYCH	564	Drop	Qualitative Research 3 Course Prerequisite: ED RES 563. Theoretical underpinnings of qualitative research; familiarity with published qualitative research in education; practical research skills. (Crosslisted course offered as ED RES 564, ED PSYCH 564). Typically offered Fall, Spring, and Summer.	--N/A--	8-17
ED PSYCH	565	Drop	Quantitative Research 3 Course Prerequisite: ED PSYCH 508; ED RES 563. Statistical literacy in educational research; parametric and non-parametric methods. (Crosslisted course offered as ED RES 565, ED PSYCH 565). Typically offered Fall, Spring, and Summer.	--N/A--	8-17
ED RES	563	Revise	Principles of Research 3 Course Prerequisite: COUN PSY 501, ED RES 562, or admission to EdD program. The centrality of literature review and the understanding of methods used in educational research; practice in designing research questions. (Crosslisted course offered as ED RES 563, ED PSYCH 563). Typically offered Spring and Summer.	Principles of Research 3 Course Prerequisite: COUN PSY 501, ED RES 562, or admission to EdD program. The centrality of literature review and the understanding of methods used in educational research; practice in designing research questions. Typically offered Spring and Summer.	8-17
ED RES	564	Revise	Qualitative Research 3 Course Prerequisite: ED RES 563. Theoretical underpinnings of	Qualitative Research 3 Course Prerequisite: ED RES 563. Theoretical underpinnings of	8-17

			qualitative research; familiarity with published qualitative research in education; practical research skills. (Crosslisted course offered as ED RES 564, ED PSYCH 564). Typically offered Fall and Spring.	qualitative research; familiarity with published qualitative research in education; practical research skills. Typically offered Fall and Spring.	
ED RES	565	Revise	Quantitative Research 3 Course Prerequisite: ED PSYCH 508; ED RES 563. Statistical literacy in educational research; parametric and non-parametric methods. (Crosslisted course offered as ED RES 565, ED PSYCH 565). Typically offered Fall and Spring.	Quantitative Research 3 Course Prerequisite: ED PSYCH 508; ED RES 563. Statistical literacy in educational research; parametric and non-parametric methods. Typically offered Fall and Spring.	8-17
ME	310	Revise	Manufacturing Processes 2 Course Prerequisite: MSE 201; certified major in Mechanical Engineering. Manufacturing processes, material fabrication, and nontraditional processing. Typically offered Fall, Spring, and Summer.	Manufacturing Processes 2 Course Prerequisite: MSE 201; certified major in Mechanical Engineering <u>or Materials Science and Engineering</u> . Manufacturing processes, material fabrication, and nontraditional processing. Typically offered Fall, Spring, and Summer.	8-17
MUS	103	Revise	Voice 2 (0-6) May be repeated for credit. Typically offered Fall and Spring.	Voice 2 (0-6) Typically offered Fall and Spring.	8-17
SOC	526	Revise	Experimental Methods 3 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: SOC 521. Experimental methods including design and analysis, settings, manipulations, measures and human subjects considerations.	Experimental Methods 3 <u>Design and analysis, settings, manipulations, measures, and human <u>participant</u> considerations.</u>	5-17
TCH LRN / <u>CSSTE</u>	577 / <u>539</u>		Curriculum Theory 3 Curriculum theory as the interdisciplinary study of educational experience. Typically offered Fall.	Curriculum Theory 3 Curriculum theory as the interdisciplinary study of educational experience. (<u>Crosslisted course offered as TCH LRN 577, CSSTE 539</u>). Typically offered Fall.	8-17