

Aerospace Engineering and Engineering Mechanics

APPROVED GENERAL EDUCATION ELECTIVES

for use with the 2015-16 ISU Bulletin of Courses and Programs

NOTES: Socio-Humanistic Electives are requirements for graduation so may not be taken on a P-NP basis.

Only undergraduate courses are listed in this document. Graduate level work will be considered on a case by case basis.

Students wishing to petition for coursework other than classes listed below need to do so through the AEEM advising coordinator. ^DIndicates credit goes toward meeting U.S. Diversity Requirement. A minimum of 3 credit-hours are needed to meet this requirement.

^IIndicates credit goes toward meeting International Perspectives Requirement. A minimum of 3 credit-hours are needed to meet this req.

^BIndicates credit may be used toward meeting either U.S. Diversity or Inter'l. Persp. Requirement but not both. (3 cr.-hrs. each req'd.)

*Indicates course is a recommended prerequisite but not mandated prerequisite.

		<u>cr.-hrs</u>	<u>Prerequisites</u>
African-American Studies (AF AM)			
	201 ^D Intro. to African American Studies	3	
	330 ^D Ethnic and Race Relations (Soc 330)	3	Soc. 134
	334 ^D African American Religious Experience (Relig 334)	3	Af Am or Relig recommended
	347 ^D African American Literature to 1960 (Engl 347)	3	Engl. 250
Studies	350 ^D African American Women (W S 350)	3	3cr in women's or Af Am
	353 ^D History of African Americans I (Hist 353)	3	sophomore classification
	354 ^D History of African Americans II (Hist 354)	3	sophomore classification
	460 ^D Seminar in African American Culture	3	
Agronomy (Agron)			
	342 ^{I/H} World Food Issues: Past and Present (Env S 342, FS HN 342, T SC 342, U St 342)	3	junior classification
Air Force Aerospace Studies (AFAS)			
	441 National Security Affairs & Prep for Active Duty I	3	
	442 National Security Affairs & Prep for Active Duty II	3	
American Indian Studies (AM IN)			
	210 ^D Intro. to American Indian Studies	3	
Eng. 150	240 ^D Intro to American Indian Literature	3	Credit in or exemption from
	310 ^D Topics in American Indian Studies	3	
	315 ^D Archaeology of North America (Anthr 315)	3	Anthr 202
	322 ^D Peoples and Cultures of Native North America (Anthr 322)	3	210 or Anthr 201
	323 ^I Topics in Latin American Anthropology (Anthr 323)	3	Anthr 201* or 306*
	328 ^D American Indian Religions (Relig 328)	3	
	346 ^D American Indian Literature (Engl 346)	3	Engl 250

Anthropology (ANTHR)

201 ^I	Intro. to Cultural Anthropology	3	
230 ^I	Globalization and the Human Condition	3	
306 ^I	Cultural Anthropology	3	201*
309 ^I	Linguistic Anthropology (Ling 309)	3	201 recommended
313 ^B	Family & Kinship in Cross-Cultural Perspective	3	201 recommended
315 ^J	Archaeology of North America	3	202
321 ^J	World Prehistory	3	202 recommended
322 ^J	Peoples & Cultures of Native North America (AmIn 322)	3	201* or Am In 210*
323 ^I	Topics in Latin American Anthropology (523) (Am In 323)	3	201* or 306
340 ^I	Magic, Witchcraft and Religion (540) (Relig 340)	3	201 or 306
411 ^I	Cultural Change and Applied Anthropology	3	201 or 306
418 ^I	Global Culture, Consumption and Modernity	3	201* or 306*
439 ^I	Medical Anthropology	3	201, 202 or 306
444 ^I	Sex and Gender in Cross-cultural Perspective (W S 444)	3	201, 306 recommended

Architecture (ARCH) (some courses may have materials fees)

221 ^I	History of Western Architecture I (Dsn S 221)	3	
222 ^I	History of Western Architecture II (Dsn S 222)	3	
402 ^I	Architectural Design VI	6	401 and minimum 2.0 GPA in previous studio courses
420 ^D	Topics in American Architecture	3	junior classification
422 ^I	Topics in Medieval Architecture	3	junior classification
423 ^I	Topics in Renaissance to Mid-18 th Century Architecture	3	junior classification
424 ^I	Topics in Nineteenth Century Architecture	3	junior classification
425 ^I	Topics in Twentieth Century Architecture	3	junior classification
427 ^I	History, Theory & Criticism of Chinese Architecture	3	junior classification

Art History (ART H) (some courses may have materials fees)

181 ^I	Origins and Evolution of Modern Design (Dsn S 181)	3	
280 ^I	History of Art I (Dsn S 280)	3	
281 ^I	History of Art II (Dsn S 281)	3	
292 ^D	Introduction to Visual Culture Studies (DSN S 292)	3	
382 ^I	Art and Architecture of Asia (Dsn S 382)	3	

383	Greek & Roman Art (Dsn S 383)	3	
384	Art of Islam	3	
385	Renaissance Art (Dsn S 385)	3	
481 ^I	Art and Architecture of India (Dsn S 481)	3	
487	Nineteenth Century Art (Dsn S 487)	3	
Interior Design (ARTID)			
463 ^D	Environments for the Aging (HD FS 463)	3	HD FS 360 or 3cr in housing
Biology (Biol)			
307 ^D	Women in Science and Engineering (W S 307) or women's studies; Engl 250	3	200 level course in sci., engr.
Civil Engineering (C E)			
388 ^I	Sustainable E & International Development engineering	3	Jr. classification in engineering
Classical Studies (CL ST)			
273 ^I	Greek & Roman Mythology	3	
275 ^{I/H}	The Ancient City	3	
310 ^I	Ancient Philosophy (Phil 310)	3	Phil. 201
353 ^I	World Lit.:Western Found. through Renaissance (Engl 353)	3	Engl. 250
367 ^I	Christianity in the Roman Empire (Relig 367)	3	
372 ^I	Greek and Roman Tragedy and Comedy in Latin or Greek or Engl 250	3	CL St. 273 or 275, or 1 course
373 ^I	Heroes of Greece, Rome & Today in Latin or Greek or Engl 250	3	CL St. 273 or 275, or 1 course
374 ^I	Women in the An. Mediterranean World (W S 374, Hist 374) Greek	3	1 course in Cl St, W S, Latin or Greek
376 ^I	Classical Archeology A and B	3	
394 ^I	The Archaeology of Greece: An Introduction	2	
395 ^I	Study Abroad: The Archaeology of Greece	2-6	394
402 ^I	Greek Civilization (Hist 402)	3	Sophomore classification
403 ^I	Roman Civilization (Hist 403)	3	Sophomore classification
404 ^I	Roman Social History (Hist 404)	3	Sophomore classification
430 ^I	Western Political Thought Plato to Machiavelli (Pol S 430) Philosophy or European History	3	6 cr in Poli Sci,
Communication Studies (ComSt)			
101 ^I	Introduction to Communication Studies	3	
301 ^I	Human Communication Theory	3	ComSt 101
310 ^I	Intercultural Communication	3	101, 102, 203, 301
325 ^I	Nonverbal Communication (Ling325, Sp Cm 325)	3	101, 102, 203, 301
Community & Regional Planning (C R P)			

291 ^I	World Cities and Globalization (Dsn S 291)	3	Sophomore classification
Criminal Justice Studies (CJ ST)			
241	Youth and Crime (Soc 241)	3	Soc 134
320	Am. Judicial Process (Pol S 320)	3	Pol S 215
332	Philosophy of Law (Phil 332)	3	Phil 201 or 230
340	Deviant and Criminal Behavior (Soc 340)	3	Soc 134
341	Criminology (Soc 341)	3	Soc 134
Design Studies (Dsn S)			
181	Origins and Evolution of Modern Design (Art H 181)	3	
221 ^I	History of Western Architecture I (Arch 221)	3	
222 ^I	History of Western Architecture II (Arch 222)	3	
274 ^D	The Social and Behavioral Landscape (LA 274)	3	
280 ^I	History of Art I (Art H 280)	3	
281 ^I	History of Art II (Art H 281)	3	
291 ^I	World Cities & Globalization (CRP 291)	3	Sophomore classification
292 ^D	Intro to Visual Culture Studies (Art 292)	3	open to all majors
382 ^I	Art and Architecture of Asia (Art H 382)	3	
383	Greek and Roman Art (Art H 383)	3	
385	Renaissance Art (Art H 385)	3	
417	Urban Revitalization (C R P 417)	3	Nonmajor graduate credit
481 ^I	Art and Architecture of India (Art H 481)	3	
487	Nineteenth Century Art (Art H 487)	3	
Economics (ECON)			
101/H	Principles of Microeconomics	3	
101L	Laboratory in Principles of Microeconomics	1	concurrent enrollment in
approp. 101 sec.			
102/H	Principles of Macroeconomics	3	101 recommended
301	Intermediate Microeconomics	3	101, 207, or Math 166
312	History of Economic Thought	3	101
320	Labor Economics	3	101
321 ^D	Economics of Discrimination (W S 321)	3	101
344	Public Finance	3	101
353	Money, Banking, and Financial Institutions	3	101,102
355 ^I	International Economics	4	101,102
370 ^I	Comparative Capitalism and Economic Transitions	3	101,102
376	Rural Urban and Regional Economics (CRP 376)	3	101
380	Environmental and Resource Economics (Env S 380)	3	101
385 ^I	Economic Development	3	101, 102
455	International Trade and Finance	4	301
460	Agricultural, Food and Trade Policy	3	301 or 501
English (ENGL)			
201	Introduction to Literature	3	cr in or exemption from 150
237	Survey of Film History	3	cr in or exemption from 150
330	Science Fiction	3	250

335	Film	3	\$ 250
340 ^U	Women's Literature (W S 340)	3	250
344 ^U	U.S. Latino/a Literature	3	250
345 ^U	Women & Literature: Selected Topics (W S 345)	3	250
346 ^U	American Indian Literature (Am In 346)	3	250
347 ^U	African American Literature (Af Am 347)	3	250
349 ^U	Topics in Multicultural Literature of the U.S.	3	250
350	Rhetorical Theories & Issues in Context	3	250
353 ^I	World Lit.: Western Foundations Through Renaissance (Cl St 353)	3	250
354 ^I	World Lit.: Seventeenth Century to Present	3	250
358	Myth, Fairytale and Legend	3	250
360	Studies in American Lit. to 1800	3	250, sophomore classification
362	Studies in 19 th Century American Literature	3	250, sophomore classification
364	Studies in American Lit. 1900 to present	3	250, sophomore classification
370 ^I	Shakespeare	3	250
373	British Lit.: The Middle Ages	3	250, sophomore classification
374 ^I	British Lit.: The Renaissance	3	250, sophomore classification
375 ^I	British Lit.: The Restoration and 18 th -Century	3	250, sophomore classification
376 ^I	British Lit.: Romantic and Victorian	3	250, sophomore classification
378	British Lit.: 1900 to the present	3	250, sophomore classification
389 ^I	Postcolonial Literature	3	250, sophomore classification
393	The History of Children's Literature	3	250
395 ^I	Study and Travel (options A-D only)	var.\$	permission of instructor
420	History of the English Language (Ling 420)	3	219, 220 or Ling, 119, 220
422 ^U	Women, Men and the English Lang. (Ling 422, W S 422)	3	219 or Ling, 119

Engineering (Engr)

320 ^I	International Experience Report	3	
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This course qualifies for intern'l persp. credit under the criteria of studying abroad for 3 wks or more.

Environmental Studies (ENV S)

201	Introduction to Environmental Issues	2	
324	Energy and the Environment (Geo 324, Mteor 324)	2	
334	Environmental Ethics (Phil 334)	3	3cr in Phil or jr. classification
345 ^I	Population and Society (Soc 345)	3	Soc 134
382	Environmental Sociology (Soc 382)	3	Soc 134 or 3cr of EnvS
384 ^I	Religion and Ecology (Relig 384)	3	
450 ^I	Issues in Sustainable Agriculture (Agron 450)	2	
472	U.S. Environmental History (Hist 472)	3	sophomore classification

Food Science and Human Nutrition (FS HN)

342 ^{I/H}	World Food Issues: Past and Present	3	junior classification
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World Languages and Cultures (F LNG)

All courses except 480 486, 487, 490, 493 and 496.
100-level reading/writing, listening/speaking courses must be taken as a year sequence to apply credit for either class toward graduation.

Students having a native language(s) other than English may not apply credit for elementary, intermediate or advanced-level grammar, conversational or composition courses in that language(s). U.S. students may meet the int'l. perspectives requirement by earning credit in 102 or 201 or 202 or 110 in any foreign language.
Int'l Persp: F Lng 492 (Ling 492)

Gerontology (GERON)

377	^D Aging and the Family (HD FS 377)	3	HD FS 102
463	^D Environments for the Aging (HD FS 463, ArtID 463)	3	HD FS 360 or 3 cr in housing, architecture, interior design, rehabilitation, psychology, or HD FS

History (HIST)

201	^I Intro. To Western Civilization I	3	
202	^I Intro. To Western Civilization II	3	
207	^I Chinese Civilization	3	
221	Survey of United States History I	3	
222	Survey of United States History II	3	
280	^I Intro. To History of Science I	3	
281	^I Intro. To History of Science II	3	
284	Wonders of the World, Ancient to Early Modern	3	
285	Modern Wonders of the World	3	
307	American Popular Culture	3	soph. classification
323	^I Science and Religion (Relig 323)	3	soph. classification
325	^I Society and Politics of England, 1525-1700	3	soph. classification
336	^I History of Modern China I	3	soph. classification
337	^I History of Modern China II	3	soph. classification
338	^I X Modern Japanese History		
339	^I U.S.-Asian Relations	3	soph. classification
340	^I History of Latin America I	3	soph. classification
341	^I History of Latin America II	3	soph. classification
353	^D History of African Americans I (Af Am 353)	3	soph. classification
354	^D History of African Americans II (Af Am 354)	3	soph. classification
365	^D History of American Agriculture I	3	soph. classification
366	^D History of American Agriculture II	3	soph. classification
370	^D History of Iowa	3	soph. classification
374	^I Women in the Ancient Mediterranean World (Cl St 374)	3	1 course in Cl St, W S, Latin or
Greek			
380	^D History of Women in Sci., Tech., and Medicine (W S 380)	3	soph. classification
386	^D History of Women in America (W S 386)	3	soph. classification
388	^D History of Modern Astronomy	3	soph. classification
389	^I American Military History I	3	soph. classification
390	^I World Military History II	3	soph. classification
403	^I Roman Civilization (Cl St 403)	3	soph. classification
404	^I Roman Social History (Cl St 404)	3	soph. classification
405	^I History of Early Middle Ages	3	soph. classification
406	^I History of High Middle Ages	3	soph. classification
408	^I Europe, 1500-1648	3	soph. classification
414	^I European Cultural and Intellectual History	3	soph. classification
419	^I History of Modern France	3	soph. classification

421 ^I	History of Russia I	3	soph. classification
422 ^I	History of Russia II	3	soph. classification
431	Modern England	3	soph. classification
450	Colonial America	3	soph. classification
451	American Revolution	3	soph. classification
456	American Family History	3	soph. classification
461	The Rural South	3	soph. classification
465	The American West	3	soph. classification
472	U.S. Environmental History (Env S 472)	3	soph. classification
473 ^D	Civil Rights and Black Power	3	soph. classification
482	Birth, Death, Medicine and Disease	3	soph. classification
488	History of American Technology	3	soph. classification
Human Development & Family Studies (HD FS)			
102	Individual & Family Life Development	3	
239 ^D	Housing and Consumer Issues	3	
240 ^D	Literature for Children	3	102 or Psych 230
276 ^D	Human Sexuality	3	
360 ^D	Housing and Services for Families and Children	3	6 credits in social sciences
373	Death as a Part of Living	3	102
377 ^D	Aging and the Family (Geron 377)	3	102
463 ^D	Environments for the Aging (Geron 463, ArtID 463)	3	HD FS 360 or 3 cr in Housing, Arch., Int. Design, Rehab, Psych. or Hum. Dev. & Family Studies
International Studies (IntSt)			
235 ^I	Introduction to International Studies	3	
430 ^I	Seminar in International Studies	3	
Int'l. Persp. Req.: A course or alternative <u>academic</u> experience involving a stay in a foreign country of three weeks or greater duration or a course involving travel abroad for less than 3 weeks will also meet the international perspectives requirement			
Journalism & Mass Communication (JL MC) (see Greenlee School of Journalism and Communication in catalog)			
101	Mass Media and Society	3	
460	Law of Mass Communication	3	C+ or better in 201, junior classification
461	History of American Journalism	3	junior classification
462	Media Ethics, Freedom, Responsibility	3	junior classification
464	Journalism & Literature	3	junior classification
474 ^I	Comm. Tech. and Social Change (T SC 474)	3	junior classification
476 ^I	World Communication Systems	3	junior classification

477	D Ethnicity, Gender, Class and the Media	3	junior classification
Landscape Architecture (L A)			
274	D The Social and Behavioral Landscape (DsnS 274)	3	
371	Landscape Arch. History: 1750-present (DsnS 371)	3	
Liberal Arts & Sciences (LAS)			
211	B Intro. to U.S. Latino/a Studies	3	
385	I The Holocaust	2/3	3 rd credit requires term paper
Linguistics (LING)			
309	I Linguistic Anthropology (Anthr 309)	3	201*
420	D History of the English Language (Engl 420)	3	Engl 219, 220
422	D Women, Men and the English Lang. (Engl 422, W S 422)	3	Engl 219
463	I Hispanic Dialectology (Span 463)	3	
Logistics and Supply Chain Management (LSCM)			
466	I International Transportation and Logistics	3	LSCM 360
Materials Engineering (M E)			
391	Intro to US Women's Roles in Industry and Prep for Summer Study	3	
Mechanical Engineering (M E)			
388	I Sustainable E and International Development	3	junior classification
423	Creativity and Imagination for Engr. & Design	3	junior classification
484/WLC	484 Technology, Globalization & Culture	3	senior classification, or graduate student
Music (MUSIC)			
102	I Intro. to Music Listening I	3	
304	U History of Rock & Roll (formerly 104)	3	101, 102, 221, or 222
383	I History of Music permission of instructor	3	120, music major or
384	I History of Music permission of instructor	3	383, music major or
472	D History of American Music music/Am. Lit./Am.	3	Ability to read music, 9 cr. hrs.
473	Music of the Baroque and Classical Era	3	or art history 383, 384
475	Music of the Romantic Era	3	383, 384
476	Music of the Twentieth Century	3	383, 384
Naval Science (N S)			
212	Seapower and Maritime Affairs	3	
321	Evolution of Warfare	3	sophomore classification
421	Evolution of Amphibious Warfare	3	sophomore classification
Philosophy (PHIL)			

All courses except 207, 490
Diversity Req.: 235, 338

Political Science (POL S)

All courses except 301, 475, 490, 491, 498 and 499
Diversity Req.: 385 (W S 385)
Int'l. Perspectives Req.: 241, 251, 349, 350, 385, 452
(Note Pol S 312, 313, 314 & 315 = 2 cr hr)

Psychology (PSYCH)

	101/H	Intro. To Psychology	3	
	102	Laboratory in Intro. Psychology	1	credit or enrollment in 101
	230	Developmental Psychology	3	
	280	Social Psychology	3	
	314	Motivation	3	101
	^D 346	Psychology of Women (W S 346)	3	2 courses in psychology
including	101			
	360	Psychology of Normal Personality	3	101
	460	Abnormal Psychology	3	3 courses in psychology
including.	101			
	488 ^I	Cultural Psychology	3	280 and 301, jr. classification

Religious Studies (RELIG) (see Philosophy and Religious Studies in catalog)

All courses except 475, 490,491, 494 and 499
Diversity Req.: 210, 328, 334, 336 (W S 336)
Int'l. Perspectives Req.: 205, 242, 323, 340, 342, 352, 353, 356, 358, 376, 384)

Sociology (SOC)

	134	Intro. to Sociology	3	
	219	Sociology of Intimate Relationships	3	134
	235 ^D	Social Problems and American Values	3	134
	241	Youth and Crime (CJ St 241)	3	134
	264	Small Group Dynamics	3	134
	305	Social Psychology: A sociological Perspective	3	134
	310	Community	3	134
	325	Transition in Agriculture	3	134 or permission of
instructor				
	^D 327	Sex and Gender in Society (W S 327)	3	134
	328 ^D	Sociology of Masculinities and Manhood (WS 328)	3	134 or WS 201
	^D 330	Ethnic and Race Relations (Af Am 330)	3	134
	^D 331	Social Class and Inequality	3	134
	^D 332	The Latino/Latina Experience in U.S. Society	3	134
	340	Deviant and Criminal Behavior (CJ St 340)	3	134
	341	Criminology (CJ St 341)	3	134
	^I 345	Population and Society (Env S 345)	3	134
	377	Social Dimensions of Religion (Relig 377)	3	134 or Relig 210
	380	Sociology of Work	3	134
	381	Social Psychology of Small Group Behavior (Psych 381)	3	305 or Psych 280
	382	Environmental Sociology (Env S 382)	3	134 or Env S 201
	401	Contemporary Sociological Theories	3	9 cr. hours in sociology
	^I 411	Social Changes in Developing Countries	3	134 + 3cr in social sciences
	415	Sociology of Technology	3	134 + 3cr in social sciences
	420	Complex Organizations	3	134 + 3cr in social sciences
iences	435	Urban Society	3	134 + 3cr in social sciences

	485	Sociology of the Family	3	6 cr. hours in the sociology
Speech Communications (SP CM)				
	323 ^D	Gender and Communication (WS 323)	3	212
	416	American Public Address	3	
Theatre (THTRE)				
	106	Introduction to the Performing Arts	3	
	110	Theatre and Society	3	
	465	History of Theatre I	3	Hist 201 or equivalent
	466	History of Theatre II	3	465
Women's Studies (WS)				
	201 ^D	Introduction to Women's Studies	3	
	203 ^D	Lesbian Cultures and Communities	3	
	301 ^I	International Perspectives on Women and Gender	3	201 or 3 cr at the 300 level or
above				
	321 ^D	Economics of Discrimination (Econ 321)	3	Econ 101
	323 ^D	Gender and Communication (Sp Cm 323)	3	212 Sp Cm
	327 ^D	Sex and Gender in Society (Soc 327)	3	Soc 134
	328 ^D	Sociology of Masculinities and Manhood (Soc 328)	3	WS 201 or Soc 134
	336 ^D	Women and Religion (Relig 336)	3	Relig 105, 210 or W S 201
recommended				
	338 ^D	Feminist Philosophy (Phil 338)	3	3 credits in philosophy or
women's studies recommended				
	340 ^D	Women's Literature (Engl 340)	3	Engl 250
	345 ^D	Women and Literature: Selected Topics (Engl 345)	3	Engl 250
	346 ^D	Psychology of Women (Psych 346)	3	2 courses in Psychology
including 101				
	350 ^D	African American Women (Af Am 350)	3	3 cr in W S or Af Am St
	374 ^I	Women in the Ancient Mediterranean World (CL ST 374)	3	
	380 ^D	Hist. of Women in Sci., Tech. & Medicine (Hist 380)	3	soph. classification
	385 ^B	Women in Politics (Pol S 385)	3	
	386 ^D	History of Women in America (Hist 386)	3	soph. classification
	401 ^D	Feminist Theories	3	201 or 3cr at 300 level or above
	422 ^D	Women, Men and the English Lang. (Ling 422, Engl 422)	3	Engl. 219
	444 ^I	Sex and Gender in Cross-cultural Perspective (Anthr 444)	3	Anthro 201; Anthro 306*

APPROVED SOCIO-HUMANISTIC REQUIREMENTS 2005-07 Bulletin (continued)

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