

**Iowa State University**  
**College of Liberal Arts and Sciences**  
**For 2013-2014 Catalog**  
**Curriculum Report and Catalog Revisions**  
**12 November 2012**

Prepared by  
**LAS Curriculum Committee**

Robert Wallace, Ecology Evolution and Organismal  
Biology, Chair

Linda Quinn Allen, World Languages and Cultures

Veronica Dark, Psychology

Joel Geske, Greenlee School of Journalism and  
Communication

David Hollander, History

Sergio Lence, Economics

Gordon Miller, Chemistry

Maximillian Viatori, Anthropology

James Wilson, Mathematics

Kathleen Timmons, *ex officio*

Zora Zimmerman, *ex officio*

# College of Liberal Arts and Sciences

2012-2013

## I. SIGNIFICANT TRENDS:

In the 2011-2012 catalog cycle, the College of Liberal Arts and Science has gained three new minors: A Minor in Latino/a Studies, a Minor in Sustainability (administered in the College of LAS, but with faculty and courses from several other colleges) and a Minor in World Film Studies. All of these minor curricula were primarily built around existing courses, with creation of few, if any, new courses to accommodate specific requirements for the new minors.

For the first time in several years, the number of new courses added in LAS has exceeded the number of courses dropped (perhaps due to significant 'purging' of courses over the past few years due to limitation of staff and teaching budgets). This may signal that the curricular 'contraction' experienced through several waves of successive budget cuts and loss of faculty may have reached an end. Further development of new courses continues, as does the drafting of proposals for new curricula, so that despite these reductions in numbers of courses, the LAS Curriculum overall is very much alive and functioning well.

Forthcoming new curricula in LAS are anticipated to include a new Major in Public Relations (Greenlee School) and a new Masters Degree in Applied Statistics (Department of Statistics).

The LAS curriculum as a whole is the most disciplinarily diverse assemblage of curricula and courses at Iowa State University, and includes many of the core, general education disciplines required for virtually all undergraduate students at the University. The development of several new courses throughout the curricula and the removal of a significant number of courses that have not been recently taught have improved the breadth and presentation of course offerings from the 40+ majors and degree programs available through the College.

## II. CURRICULA, MAJORS, MINORS ADDED OR DROPPED:

### **Majors Added:**

None

### **Minors Added:**

Minor in Latino/a Studies  
Minor in Sustainability  
Minor in World Film Studies

### **Majors Dropped:**

none

### **Minors Dropped:**

none

### **Certificates Added:**

none

### III. NEW COURSES:

#### **Biology**

BIOL 112: Transfer Student Orientation. Cr. R.  
 BIOL 350: Comprehensive Human Anatomy (3-0) Cr. 3  
 BIOL 451: Plant Evolution and Phylogeny (3-3) Cr. 4  
 BIOL 492: Preparing for Graduate School in the Biological Sciences (1-0) Cr. 1

#### **Communication Studies**

COM ST 313. Leadership Communication Theories. (3-0) Cr. 3

#### **Computer Science**

COM S 414. Gerontechnology in Smart Home Environments. (3-0) Cr. 3  
 COM S 437. Computer Game and Media Programming. (3-0) Cr. 3  
 COM S 487. Principles of Distributed and Network Programming. (3-0) Cr. 3  
 COM S 510. Distributed Software Development. (3-0) Cr. 3  
 COM S 514. Gerontechnology in Smart Home Environments. (3-0) Cr. 3

#### **Ecology, Evolution, and Organismal Biology**

EEOB 551. Plant Evolution and Phylogeny (3-3) Cr. 4  
 EEOB 577. Concepts of Theoretical Ecology and Evolution. (2-0). Cr. 2.  
 EEOB 578. Foundations of Theoretical Ecology and Evolution. (3-0). Cr. 3.

#### **Economics**

ECON 234. Small Business Management. (3-0). Cr. 3  
 ECON 313. Economics of Sports. (3-0). Cr. 3.  
 ECON 364. Rural Property Appraisal. (3-0). Cr. 3.  
 ECON 387. Economies of China and India. (3-0). Cr. 3.  
 ECON 510. Experimental Economics. (3-0). Cr. 3.

#### **English**

ENGL 582. Advanced Rhetorical Analysis (3-0) Cr. 3  
 ENGL 592D. Core Studies in Rhetoric and Prof. Communic: Critical Cultural Rhetorics. (3-0). Cr. 3.  
 ENGL 631. Organization and Administration of Multimodal Writing Programs. (3-0). Cr. 3.

#### **History**

HIST 370. History of Iowa. (3-0) 3.0 Cr.  
 HIST 460 The Great Plains. (3-0) 3.0 Cr.

#### **Mathematics**

MATH 407. Applied Linear Algebra. (3-0) 3 Cr.  
 MATH 507. Applied Linear Algebra. (3-0) 3 Cr.  
 MATH 565. Continuous Optimization. (3-0) 3 Cr.  
 MATH 566. Discrete Optimization. (3-0) 3 Cr.  
 MATH 641. Foundations of Probability Theory. (3-0) 3 Cr.

#### **Political Science**

POL S 333. Democracy and Diversity in America. (3-0) Cr. 3.  
 POL S 345. Immigration Policy. (3-0). Cr.3.  
 POL S 354. War and the Politics of Humanitarianism. (3-0). Cr. 3.  
 POL S 587. Electronic Democracy. (3-0). Cr. 3.

#### **Psychology**

PSYCH 335. Abnormal Psychology of Children and Adolescents. (3-0). Cr. 3.  
 PSYCH 492B. Fieldwork practicum: I/O Psychology. Cr. Arr.  
 PSYCH 595G. Seminar on Social Psychology: Close Relationships. Cr. 1-3.

**Statistics**

STAT 201. Introduction to Statistical Concepts and Methods. (3-2). Cr. 4.  
 STAT 301. Intermediate Statistical Concepts and Methods. (3-2). Cr. 4.  
 STAT 410. Statistical Methods for Mathematics Teachers. (6-0). Cr. 6.  
 STAT 444. Bayesian Data Analysis. (3-0). Cr. 3.  
 STAT 510. Statistical Methods II. (3-0). Cr. 3.  
 STAT 520. Statistical Methods III. (3-0). Cr. 3.  
 STAT 602. Modern Multivariate Statistical Learning. (3-0). Cr. 3.  
 STAT 641. Foundations of Probability Theory. (3-0). Cr. 3.

**Theatre**

THTRE 393G. Studies in Theatre Design and Production Workshop: Advanced Makeup. Cr. 3.  
 THTRE 393I. Studies in Theatre Design and Production Workshop: Stage Management. Cr. 3.  
 THTRE 393J. Studies in Theatre Design and Production Workshop: Technical Direction. Cr. 3.  
 THTRE 393K. Studies in Theatre Design and Production Workshop: . Cr. 3.

**IV. COURSES DROPPED:****Classical Studies**

CL ST 376C  
 CL ST 512AA  
 CL ST 594AA

**Computer Science**

COM S 323

**English**

ENGL 199  
 ENGL 536

**Linguistics**

LING 500.

**Mathematics**

MATH 426.  
 MATH 658.

**Meteorology**

MTEOR 561

**Music**

MUSIC 133  
 MUSIC 321E  
 MUSIC 471

**Physics**

PHYS 106

**Political Science**

POL S 483  
 POL S 583

**Portuguese**

PORT 101  
 PORT 102  
 PORT 111  
 PORT 112  
 PORT 201  
 PORT 202  
 PORT 490

**Religion**

RELIG 489

**Speech Communication**

SP CM 325  
 SP CM 404A  
 SP CM 404B  
 SP CM 504A  
 SP CM 504B

**Statistics**

STAT 511

**V. NUMBER, CREDIT, AND TITLE CHANGES:****Biology**

BIOL 328. Title to 'Molecular and Cellular Biology of Human Diseases  
 BIOL 490. Undergraduate Research Experience [To Biol 499]

**Chemistry**

CHEM 511. Title to 'Advanced Analytical Chemistry'

**Classical Studies**

CL ST 273H. Credit change: From Cr. 3.0 to Cr. 4.0

CL ST 275H. Credit change: From Cr. 3.0 to Cr. 4.0

CL ST 372H. Credit change: From Cr. 3.0 to Cr. 4.0

CL ST 373H. Credit change: From Cr. 3.0 to Cr. 4.0

**Computer Science**

COM S 342. Cross-list with S E 342.

COM S 587. Add Dual-list w/ COM S 487.

**Communications Studies**

COM ST 511. Title change to 'Studies in Interpersonal Communication'.

**English**

ENGL 275. Number Change: ENGL 205 to ENGL 275

ENGL 275. Cross-list with SP CM 275.

ENGL 275. Title to: Analysis of Popular Culture Texts.

ENGL 437. Remove Dual List with ENGL 537

ENGL 517. Number change: ENGL 517 to ENGL 512

ENGL 537. Title change to: 'Advanced Grammatical Analysis: Social, Individual, and Empirical Perspectives'.

ENGL 547. Cross-list with SP CM 547

ENGL 548. Cross-list with SP CM 548

ENGL 588. Title to: 'Supervised Practice Teaching in Teaching English as a Second Language'.

ENGL 590G. Cross-list with LING 590G

ENGL 592. Cross-list with SP CM 592

ENGL 592A. Cross-list with SP CM 592A

ENGL 592B. Cross-list with SP CM 592B

ENGL 592C. Cross-list with SP CM 592C

**History**

HIST 429. Credits from Cr. 4.0 to Cr. 3.0

HIST 594A. Cross-list with CL ST 594A

**Journalism and Mass Communication**

JL MC 110. Credits to Cr. 1.0.

**Linguistics**

LAS 322. Number Change from LAS 222 to LAS 322.

**Linguistics**

LING 591. Cross-list with ENGL 591.

**Mathematics**

MATH 207. Number Change from MATH 307 to MATH 207.

MATH 557. Title to 'Ordinary Differential Equations and Dynamical Systems'.

**Physics**

PHYS 111. Credit change from Cr. 4.0 to Cr. 5.0.

PHYS 112. Credit change from Cr. 4.0 to Cr. 5.0.

PHYS 426. Cross-list with MATH 426.

**Political Science**

POL S 431. Title to 'Modern Political Thought'.

POL S 480. Title to 'Ethics and Public Policy'.

**Psychology**

PSYCH 316. Title to 'Cognitive Psychology'.

PSYCH 492A. Title to include section designator "Human Services".

**Religious Studies**

RELIG 439. Number change from RELIG 339 to RELIG 439.

RELIG 453. Number change from RELIG 353 to RELIG 453.

RELIG 485. Number change from RELIG 385 to RELIG 485.

**Speech Communication**

SP CM 305. Cross-list with COM ST 305 and LING 305

SP CM 323. Cross-list with W S 323

**Statistics**

STAT 500. Title to: 'Statistical Methods I'.

STAT 565. Title to: 'Methods in Biostatistics and Epidemiology'.

STAT 601. Credit change from Cr. 4.0 to Cr. 3.0.

STAT 642. Credit change from Cr. 4.0 to Cr. 3.0.

STAT 643. Credit change from Cr. 4.0 to Cr. 3.0.

**Theatre**

THTRE 393A. Title to: 'Workshop: Costume Design'.

THTRE 393B. Title to: 'Workshop: Scenic Design'.

THTRE 393C. Title to: 'Workshop: Lighting Design'.

THTRE 393D. Title to: 'Workshop: Sound Design'.

THTRE 393E. Title to: 'Workshop: Stagecraft'.

THTRE 393F. Title to: 'Workshop: Costume Draping and Patterning'.

**VI. COURSES ADDED FOR NONMAJOR GRADUATE CREDIT****Computer Science**

COM S 487. Principles of Distributed and Network Programming. (3-0). Cr. 3

**Economics**

ECON 510. Experimental Economics (3-0). Cr. 3.

ECON 418. Introduction to Game Theory. (3-0). Cr. 3.

**History**

HIST 460. The Great Plains. (3-0) Cr. 3

**Mathematics**

MATH 407. Applied Linear Algebra. (3-0). Cr. 3.

**Political Science**

POL S 345. Immigration Policy. (3-0). Cr. 3.

POL S 587. Electronic Democracy. (3-0). Cr. 3.

**Statistics**

STAT 444. Bayesian Data Analysis. (3-0). Cr. 3.

## VII. COURSES DROPPED FOR NONMAJOR GRADUATE CREDIT

None

## VIII. SUMMARY OF CHANGES:

*Note: a cross-listed course should be counted only once - with the "primary" department or program. So in Section III New Courses and Section IV Courses Dropped, a cross-listed course should be listed only once.*

Summary of Changes					
Department	New	Dropped	Number	Credit	Title
ADV RT	0	0	0	0	0
AF AM	0	0	0	0	0
AFAS	0	0	0	0	0
AM IN	0	0	0	0	0
ANTHR	0	0	0	0	0
ARABC	0	0	0	0	0
ASTRO	0	0	0	0	0
BBMB	0	0	0	0	0
BCBIO	0	0	0	0	0
BIOL	4	0	1	0	1
BPMI	0	0	0	0	0
CHEM	0	5	0	0	1
CHIN	0	0	0	0	0
CJ ST	0	0	0	0	0
CL ST	0	3	0	4	0
CMDIS	0	0	0	0	0
COM S	5	1	0	0	0
COMST	1	0	0	0	1
CZECH	0	0	0	0	0
ECON	5	0	0	0	0
EEOB	3	0	0	0	0
ENGL	3	2	2	0	3
FRNCH	0	0	0	0	0
GDCB	0	0	0	0	0
GEN & GENET	0	0	0	0	0
GEOL	0	0	0	0	0
GER	0	0	0	0	0
GREEK	0	0	0	0	0
HIST	2	10	0	1	0
JL MC	0	0	0	0	0
LAS	0	0	0	0	0
LATIN	0	0	0	0	0
LING	0	1	0	0	0
M S	0	0	0	0	0
MATH	5	2	1	0	1
MTEOR	0	0	0	0	0
MUSIC	0	3	0	0	0
N S	0	0	0	0	0
PERF	0	0	0	0	0
PHIL	0	0	0	0	0
PHYS	0	1	0	2	0
POL S	4	2	0	0	2
POLSH	0	0	0	0	0

PORT	0	7	0	0	0
PSYCH	3	0	0	0	2
RELIG	0	1	3	0	0
RUS	0	0	0	0	0
SERBC	0	0	0	0	0
SOC	0	0	0	0	0
SP CM	0	5	0	0	0
SPAN	0	0	0	0	0
STAT	8	1	0	3	2
THTRE	4	0	0	0	6
W S	0	0	0	0	0
WLC	0	0	0	0	0
Total College of Liberal Arts and Sciences	47	29	7	10	19

IX. Changes since Proposed Departmental Changes for General Review

None

X. JUSTIFICATION FOR NEW COURSES

**Summary Table**

Department Name	Designator and Course Number	Nonmajor graduate credit		Required in Program		Experimental Offering				Justification for: •courses offered experimentally •not required in a program
		No	Yes	No	Yes	No	Term	Year	Enroll.	
Biology	BIOL 112	X		X			F	2011	51	Offered experimentally
	BIOL 350	X		X			F	2011	50	Offered experimentally
	BIOL 451*	X		X			S	2011	10	Offered experimentally
	BIOL 492	X		X			S	2012	15	Offered experimentally as seminar
Computer Science	COM S 336	X		X			F	2010	21	Offered experimentally
							S	2011	14	Offered experimentally
	COM S 414*	X			X					Required in program
	COM S 437	X		X			F	2011	18	Offered experimentally
	COM S 487	X		X			S	2004	5	Offered experimentally
	COM S 510	X		X			S	2011	6	Offered experimentally



							F	2011	5	Offered experimentally
	COM S 514*	X		X	X					Required in program
Communicat. Studies	COM ST 313	X		X						Required in program
Economics	ECON 234	X		X			F	2010	58	Offered experimentally
							F	2011	35	Offered experimentally
	ECON 313	X		X			S	2011	28	Offered experimentally
	ECON 364	X		X			S	2010	38	Offered experimentally
							S	2011	16	Offered experimentally
	ECON 387	X		X			F	2010	61	Offered experimentally
							F	2011	72	Offered experimentally
	ECON 510	X		X			S	2010	10	Offered experimentally
							S	2011	16	Offered experimentally
Ecol/Evol. Biology	EEON 551*	X		X			F	2011	1	Offered experimentally
	EEOB 577	X		X			S	2011	12	Offered experimentally as seminar
	EEOB 578	X		X			F	2011	8	Offered experimentally as seminar
		X		X						Offered experimentally
English	ENGL 582	X		X			S	2011	14	Offered experimentally
	ENGL 592D	X		X		X				Placeholder for seminar topics
	ENGL 631	X		X		X				Required in program
History	HIST 370	X		X		X				Previously taught in LAS
	HIST 460	X		X		X				Previously taught in LAS
Mathematics	MATH 407*	X		X			F	2011	14	Offered experimentally
	MATH 507*	X		X			F	2011	13	Offered experimentally
	MATH 565	X		X			F	2011	16	Offered experimentally
	MATH 566	X		X			S	2011	7	Offered experimentally
	MATH 641	X		X		X				Required in program; XL

										w/STAT
Political Science	POL S 333	X		X			S	2010	56	Offered experimentally
	POL S 345	X		X			F	2007	40	Offered experimentally
							F	2008	34	Offered experimentally
	POL S 354	X		X			S	2012	?	Offered experimentally
	POL S 587	X		X			S	2009	7	Offered experimentally
Psychology	PSYCH 335	X		X			S	2012	?	Offered experimentally
	PSYCH 492A	X		X						Placeholder for seminar topics
	PSYCH 492B	X		X						Placeholder for seminar topics
	PSYCH 595G	X		X						Placeholder for seminar topics
Statistics	STAT 201	X		X		X				Required in program
	STAT 301	X		X		X				Required in program
	STAT 410	X		X			Sum	2011	39	Offered experimentally
	STAT 444	X		X			S	2011	9	Offered experimentally
	STAT 510	X		X						Required in program
	STAT 520	X		X			S	2012	?	Offered experimentally
	STAT 602	X		X			S	2011	18	Offered experimentally
	STAT 641	X		X		X				Required in program; XL w/MATH
Theatre	THTRE 393G	X		X						Placeholder for workshop topics
	THTRE 393I	X		X						Placeholder for workshop topics
	THTRE 393J	X		X						Placeholder for workshop topics
	THTRE 393K	X		X						Placeholder for workshop topics
	*Dual-List									

