

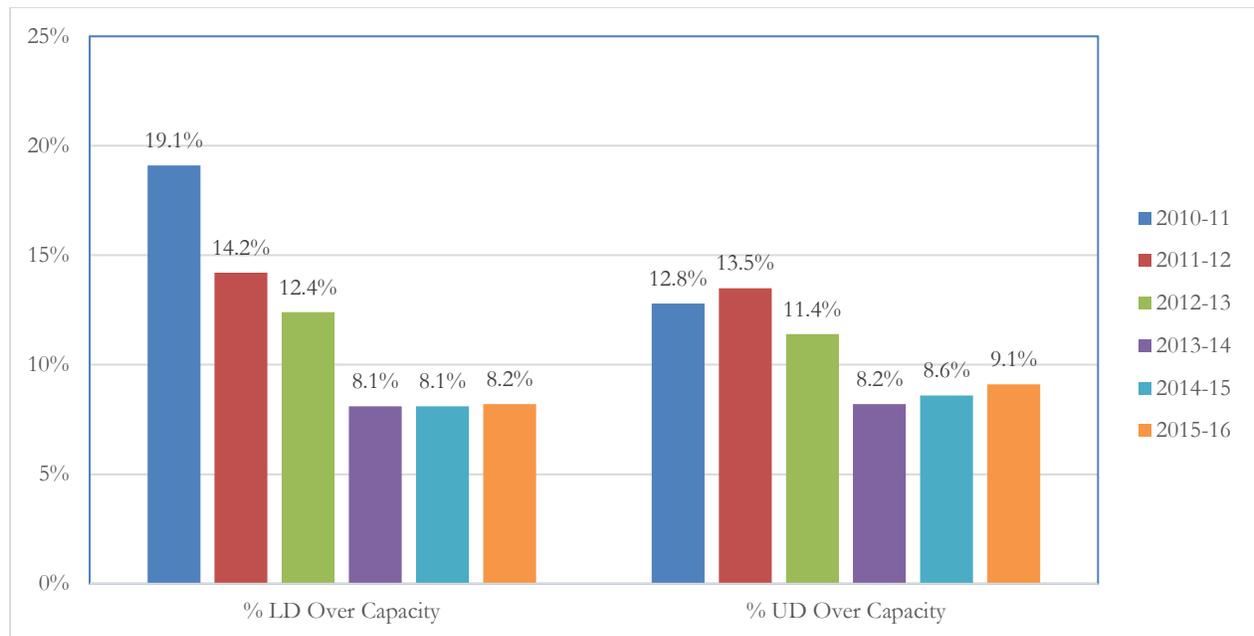


Bottleneck Courses and their Departments, 2010-11 to 2015-16

In the fall and spring terms of 2015-16, Boise State University offered 955 lower division courses and 1,783 upper division courses at the undergraduate level as of tenth day. After eliminating courses with a low capacity, 879 lower division and 1,591 upper division courses remained. Of these, 72 lower division and 144 upper division courses were over capacity (>100% enrollment) and/or had a waitlist of 5 or more to enroll in the course (see Appendices A and B).

As shown in Figure 1, lower division bottlenecks have decreased substantially over the past six years, declining from 19% in 2010-11 to a steady level of 8% in the last three years. At the upper division, the bottleneck rate averaged 12.5% in 2010-11 through 2012-13; in the most recent three years, the rate has dropped to an average of 8.6%. In short, lower division bottlenecks have decreased and stabilized, while the upper division bottlenecks have decreased but continue to fluctuate.

Figure 1. Courses Over Capacity as of 10th Day, Fall and Spring Semesters



Each year, the Graduating Student Survey asks students whether their graduation was delayed due to course availability. Of the 2015-16 baccalaureate graduates, 19.8% reported a delay in graduation due to course availability, which is unchanged from the 2014-15 bachelor's degree graduates (19.7%). In the two years prior to that, nearly 22% of bachelor's graduates reported a delay with 21.9% in 2012-13 and 21.7% in 2013-14, suggesting some improvement in recent years. The results broken down by the department of students' majors illustrate that students across many majors reported delays in their graduation (see Appendix C).

Although the issue with bottlenecks is not resolved, Boise State has shown progress in reducing bottlenecks and the impact on students' abilities to graduate in their desired timeframe.

Appendix A. Lower division courses that were over-enrolled (capacity>100%) or waitlist of 5 or more

Note that some courses appear multiple times because they were offered in both fall and spring.

Course	Course Title	Department	Term
ANTH 103	Introduction to Archaeology	Dept of Anthropology	Fall 2015
ART 107	Art Foundations I	Dept of Art	Spring 2016
ART 288	Graphic Design Studio II	Dept of Art	Spring 2016
ART 298	Seminar	Dept of Art	Spring 2016
BIOL 107	Introduction to Human Biology	Dept of Biological Sciences	Spring 2016
CE 282	Engineering Practice	Dept of Civil Engineering	Fall 2015
CMGT 111	Const Materials & Methods Lab	Dept of Construction Management	Spring 2016
CMGT 120	Intro to Construction Mgmt	Dept of Construction Management	Fall 2015
CMGT 120	Intro to Construction Mgmt	Dept of Construction Management	Spring 2016
CMGT 245	Drawings, Specs and Codes	Dept of Construction Management	Fall 2015
CMGT 245	Drawings, Specs and Codes	Dept of Construction Management	Spring 2016
COMM 131	Listening	Dept of Communication	Spring 2016
COMM 221	Interpersonal Communication	Dept of Communication	Spring 2016
COMM 268	Intro to Video Production	Dept of Communication	Fall 2015
COMM 271	Introduction to Media	Dept of Communication	Fall 2015
COMM 271	Introduction to Media	Dept of Communication	Spring 2016
COMM 279	Public Relations Campaigns	Dept of Communication	Spring 2016
CS 115	Intro to C	Dept of Computer Science	Spring 2016
CS 119	Introduction to Java	Dept of Computer Science	Fall 2015
CS 119	Introduction to Java	Dept of Computer Science	Spring 2016
CS 121	Computer Science I	Dept of Computer Science	Spring 2016
CS 121L	Computer Science I Lab	Dept of Computer Science	Spring 2016
CS 221	Computer Science II	Dept of Computer Science	Fall 2015
CS 221	Computer Science II	Dept of Computer Science	Spring 2016
ECON 201	Principles of Macroeconomics	Dept of Economics	Spring 2016
ED-CIFS 201	Foundations of Education	Dept of Curr, Instr & Fndtnl Stds	Fall 2015
ED-CIFS 203	Child & Educational Psychology	Dept of Curr, Instr & Fndtnl Stds	Spring 2016
EDTECH 203	Foundations of Digital Culture	Dept of Educational Technology	Spring 2016
ENGL 101	Intro to College Writing	Dept of English	Fall 2015
ENGL 101P	Intro to College Writing Plus	Dept of English	Fall 2015
ENGL 102	College Writing & Research	Dept of English	Fall 2015
ENGL 102	College Writing & Research	Dept of English	Spring 2016
ENGL 277	Surv Amer Lit: Beg to Civil War	Dept of English	Spring 2016
ENGR 150	Residential College Sem: Engr	College of Engineering	Fall 2015
GENBUS 101	Business for New Generation	Dept of Management	Fall 2015
GENBUS 101	Business for New Generation	Dept of Management	Spring 2016
GEOS 212	Water in the West	Dept of Geosciences	Fall 2015
INTBUS 220	Go Global: You & World Economy	Program in International Business	Fall 2015
KIN-ACT 144	Self-Defense I	Dept of Kinesiology	Fall 2015
KIN-ACT 163	Group Exercise on Your Time	Dept of Kinesiology	Fall 2015
KIN-ACT 163	Group Exercise on Your Time	Dept of Kinesiology	Spring 2016
KIN-ACT 165	Weight Training I	Dept of Kinesiology	Fall 2015
KIN-ACT 173	Tennis I	Dept of Kinesiology	Fall 2015
KINES 121	Tape & Wrap Tech Athl Traing	Dept of Kinesiology	Fall 2015

Course	Course Title	Department	Term
Course	Course Title	Department	Term
KINES 220	Intro to Athletic Injuries	Dept of Kinesiology	Fall 2015
KINES 270	Applied Anatomy	Dept of Kinesiology	Fall 2015
KINES 270	Applied Anatomy	Dept of Kinesiology	Spring 2016
MATH 108	Intermediate Algebra	Dept of Mathematics	Fall 2015
MATH 157	Structure of Arith for Teach	Dept of Mathematics	Spring 2016
MATH 170	Calculus I	Dept of Mathematics	Fall 2015
MATH 170	Calculus I	Dept of Mathematics	Spring 2016
MATH 175	Calculus II	Dept of Mathematics	Fall 2015
MATH 175	Calculus II	Dept of Mathematics	Spring 2016
MATH 189	Discrete Mathematics	Dept of Mathematics	Fall 2015
MUS 219	Materials of Music III	Dept of Music	Fall 2015
MUS 221	Ear Training III	Dept of Music	Fall 2015
MUS 266	Woodwind Inst Tech & Methods	Dept of Music	Fall 2015
NURS 105	Interprofessional Patient Care	Dept of Nursing	Spring 2016
NURS 228	Health Assessment	Dept of Nursing	Spring 2016
NURS 232	Foundations of Nursing Care	Dept of Nursing	Spring 2016
POLS 298	Intro to Political Inquiry	Dept of Political Science	Fall 2015
THEA 102	Beginning Ballet I	Dept of Theatre Arts	Fall 2015
THEA 125	Jazz Dance	Dept of Theatre Arts	Fall 2015
THEA 213	Ballet II	Dept of Theatre Arts	Fall 2015
THEA 215	Acting I	Dept of Theatre Arts	Spring 2016
THEA 220	Cinema History and Aesthetics	Dept of Theatre Arts	Spring 2016
THEA 225	Jazz Dance II	Dept of Theatre Arts	Spring 2016
THEA 231	Major Production Participation	Dept of Theatre Arts	Spring 2016
THEA 233	Stage Voice I	Dept of Theatre Arts	Fall 2015
UF 100	Intellectual Foundations	Boise State University	Fall 2015
UF 100	Intellectual Foundations	Program in Foundational Studies Program	Spring 2016
UF 200	Civic and Ethical Foundations	Boise State University	Fall 2015

Appendix B. Upper division courses that were over-enrolled (capacity >100%) or had a waitlist of 5 or more

Note that some courses appear multiple times because they were offered in both fall and spring.

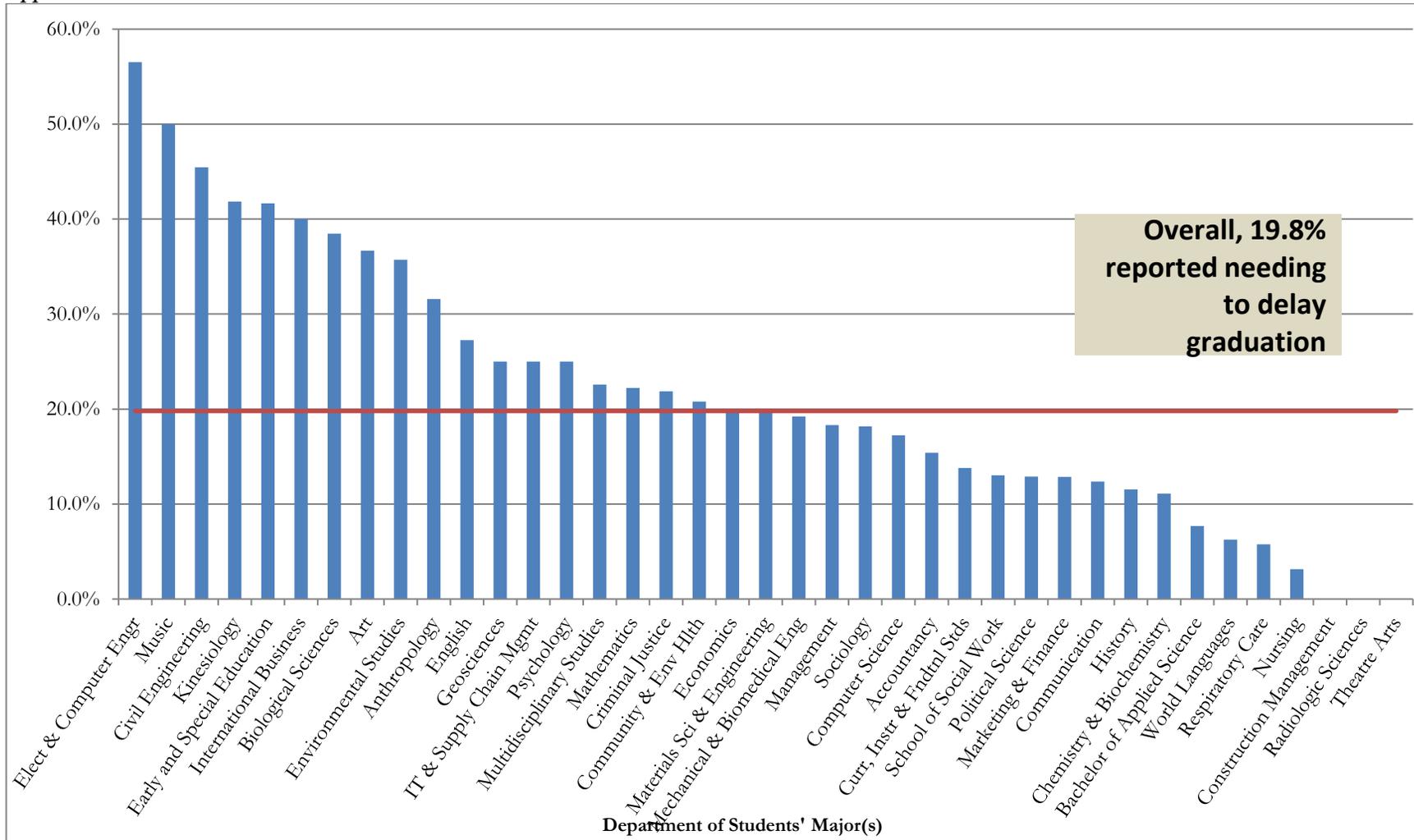
Course	Course Title	Department	Term
ANTH 325	Human Variation	Dept of Anthropology	Spring 2016
ANTH 350	Human Behavioral Ecology	Dept of Anthropology	Fall 2015
ANTH 401	Human Evolution & Paleoanthro	Dept of Anthropology	Fall 2015
ART 311	Drawing II	Dept of Art	Fall 2015
ART 311	Drawing II	Dept of Art	Spring 2016
ART 342	Digital Photography	Dept of Art	Spring 2016
ART 361	Illustration I	Dept of Art	Fall 2015
ART 362	Illustration II	Dept of Art	Spring 2016
ART 444	Advanced Photography	Dept of Art	Spring 2016
ART 490	BFA Exhibition	Dept of Art	Spring 2016
ART 491	Sr Studio Seminar: Visual Arts	Dept of Art	Spring 2016
ARTHIST 337	Art of Ancient Italy	Dept of Art	Fall 2015
BIOL 400	Organic Evolution	Dept of Biological Sciences	Fall 2015
BIOL 400	Organic Evolution	Dept of Biological Sciences	Spring 2016
BIOL 434	Princ of Fisheries & Wild Mgmt	Dept of Biological Sciences	Spring 2016
CE 320	Princ of Environ Engineering	Dept of Civil Engineering	Fall 2015
CE 321	Prin of Envr Engineering Lab	Dept of Civil Engineering	Fall 2015
CE 341	Construction Materials Lab	Dept of Civil Engineering	Fall 2015
CE 352	Structures I	Dept of Civil Engineering	Fall 2015
CE 481	Senior Design Project I	Dept of Civil Engineering	Fall 2015
CHEM 321	Physical Chemistry I	Dept of Chemistry & Biochemistry	Fall 2015
CHEM 324	Physical Chemistry Laboratory	Dept of Chemistry & Biochemistry	Spring 2016
CMGT 350	Mechanical & Electrical Instal	Dept of Construction Management	Fall 2015
CMGT 460	Project Cost Controls	Dept of Construction Management	Spring 2016
COMM 307	Interviewing	Dept of Communication	Fall 2015
COMM 341	Nonverbal Communication	Dept of Communication	Spring 2016
COMM 360	Media Aesthetics and Culture	Dept of Communication	Fall 2015
COMM 361	Organizational Communication	Dept of Communication	Spring 2016
COMM 365	Film Styles and Genres	Dept of Communication	Fall 2015
COMM 432	Advanced Organizational Comm	Dept of Communication	Spring 2016
COMM 470	The Film Producer's Role	Dept of Communication	Spring 2016
CS 321	Data Structures	Dept of Computer Science	Fall 2015
CS 321	Data Structures	Dept of Computer Science	Spring 2016
CS 354	Programming Languages	Dept of Computer Science	Fall 2015
CS 354	Programming Languages	Dept of Computer Science	Spring 2016
CS 361	Intro to Theory of Computation	Dept of Computer Science	Fall 2015
CS 361	Intro to Theory of Computation	Dept of Computer Science	Spring 2016
CS 401	Intro to Web Development	Dept of Computer Science	Fall 2015
CS 402	Mobile Application Development	Dept of Computer Science	Fall 2015
CS 410	Databases	Dept of Computer Science	Spring 2016
CS 453	Operating Systems	Dept of Computer Science	Fall 2015
CS 453	Operating Systems	Dept of Computer Science	Spring 2016
CS 455	Distributed Systems	Dept of Computer Science	Spring 2016
CS 457	Intro: Artificial Intelligence	Dept of Computer Science	Fall 2015

Course	Course Title	Department	Term
CS 472	Object-Oriented Desgn Patterns	Dept of Computer Science	Spring 2016
ECE 330	Microprocessors	Dept of Electrical & Computer Engineering	Spring 2016
ECE 432	Computer Architecture	Dept of Electrical & Computer Engineering	Spring 2016
ECE 480	Senior Design Project I	Dept of Electrical & Computer Engineering	Fall 2015
ECE 482	Senior Design Project II	Dept of Electrical & Computer Engineering	Spring 2016
ECON 303	Intermediate Microeconomics	Dept of Economics	Spring 2016
ECON 421	Quant Methods in Economics	Dept of Economics	Fall 2015
ECON 422	Econometrics	Dept of Economics	Spring 2016
ED-CIFS 329	Assess in Teaching & Learning	Dept of Curr, Instr & Fndtnl Stds	Fall 2015
ED-CIFS 330	Elem Social Studies Curr & Ins	Dept of Curr, Instr & Fndtnl Stds	Spring 2016
ED-CIFS 332	Elem Classroom Mgmt Skills	Dept of Curr, Instr & Fndtnl Stds	Fall 2015
ED-CIFS 332	Elem Classroom Mgmt Skills	Dept of Curr, Instr & Fndtnl Stds	Spring 2016
ED-LLC 340	Idaho Comprehensive Literacy	Literacy, Language and Culture	Spring 2016
ED-LLC 345	Writ Pro & Assessment K-8 Clrm	Dept of Literacy	Fall 2015
ED-LLC 345	Writ Pro & Assessment K-8 Clrm	Literacy, Language and Culture	Spring 2016
ENGL 307	Literary Translation	Dept of English	Spring 2016
ENGL 338	Literature in Translation	Dept of English	Fall 2015
ENGL 345	Shakespeare	Dept of English	Fall 2015
ENGL 407	Advanced Fiction Writing	Dept of English	Spring 2016
ENGR 425	The Business of Technology	College of Engineering	Fall 2015
FINAN 440	Financial Modeling	Dept of Marketing & Finance	Spring 2016
FINAN 451	Frontiers in Financial Markets	Dept of Marketing & Finance	Spring 2016
GENBUS 441	Business In Society	Dept of Management	Fall 2015
GEOS 498	Geosciences Senior Seminar	Dept of Geosciences	Spring 2016
HLTHST 300	Pathophysiology	Dept of Community & Environmental Health	Spring 2016
HLTHST 356	Community-Based Prevent Method	Dept of Community & Environmental Health	Fall 2015
HLTHST 360	Healthcare Finance	Dept of Community & Environmental Health	Spring 2016
HLTHST 420	Strategic Planning & Proj Mgmt	Dept of Community & Environmental Health	Fall 2015
HLTHST 420	Strategic Planning & Proj Mgmt	Dept of Community & Environmental Health	Spring 2016
HLTHST 431	Quality Issues in Health Care	Dept of Community & Environmental Health	Fall 2015
HLTHST 450	Current Issues Health Policy	Dept of Community & Environmental Health	Spring 2016
HLTHST 464	Screen & Assess Alcohol/Drug	Dept of Community & Environmental Health	Fall 2015
HLTHST 468	Group Process	Dept of Community & Environmental Health	Spring 2016
HLTHST 480	Epidemiology	Dept of Community & Environmental Health	Spring 2016
ITM 310	Business Intelligence	Dept of IT & Supply Chain Mgmt	Spring 2016
ITM 415	Advanced Database	Dept of IT & Supply Chain Management	Fall 2015
KINES 330	Exercise Physiology	Dept of Kinesiology	Fall 2015
KINES 330	Exercise Physiology	Dept of Kinesiology	Spring 2016
KINES 331	Lab for Exercise Physiology	Dept of Kinesiology	Fall 2015
KINES 363	Exercise Psychology	Dept of Kinesiology	Spring 2016
KINES 370	Biomechanics	Dept of Kinesiology	Fall 2015
KINES 370	Biomechanics	Dept of Kinesiology	Spring 2016
KINES 371	Laboratory for Biomechanics	Dept of Kinesiology	Fall 2015
KINES 371	Laboratory for Biomechanics	Dept of Kinesiology	Spring 2016
KINES 375	Human Growth & Motor Learning	Dept of Kinesiology	Fall 2015
KINES 375	Human Growth & Motor Learning	Dept of Kinesiology	Spring 2016
KINES 376	Lab for Human Growth-Motor Lrn	Dept of Kinesiology	Fall 2015

Course	Course Title	Department	Term
KINES 430	Physical Activity and Aging	Dept of Kinesiology	Spring 2016
KINES 432	Conditioning Procedures	Dept of Kinesiology	Spring 2016
KINES 436	Exercise Test & Prescription	Dept of Kinesiology	Fall 2015
LEAD 327	Relational Leadership	Program in Leadership	Spring 2016
LING 318	Intro to Morphology & Syntax	Dept of English	Fall 2015
LING 397	Special Topics	Dept of English	Fall 2015
MDS 300	Communicating Universally	Division of Social Sciences	Fall 2015
MDS 300	Communicating Universally	Program in Multidisciplinary Studies	Spring 2016
ME 302	Thermodynamics I	Dept of Mechanical & Biomedical Engineering	Fall 2015
ME 352	Machine Design I	Dept of Mechanical & Biomedical Engineering	Fall 2015
ME 380	Kinematics & Machine Dynamics	Dept of Mechanical & Biomedical Engineering	Spring 2016
MKTG 307	Customer Behavior	Dept of Marketing & Finance	Spring 2016
MKTG 321	Professional Selling	Dept of Marketing & Finance	Spring 2016
MKTG 425	Marketing Planning Apps	Dept of Marketing & Finance	Fall 2015
MKTG 430	International Marketing	Dept of Marketing & Finance	Spring 2016
NURS 333	Nurs in Hlth & Illness I Lab	Dept of Nursing	Spring 2016
NURS 370	Holistic Nursing Care	Dept of Nursing	Spring 2016
PHYS 301	Analog and Digital Electronics	Dept of Physics	Spring 2016
PHYS 432	Thermal Physics	Dept of Physics	Fall 2015
POLS 300	Intro to American Politics	Dept of Political Science	Fall 2015
POLS 300	Intro to American Politics	Dept of Political Science	Spring 2016
POLS 305	Intro to Comparative Politics	Dept of Political Science	Fall 2015
POLS 305	Intro to Comparative Politics	Dept of Political Science	Spring 2016
POLS 315	Intro to Political Thought	Dept of Political Science	Spring 2016
POLS 423	Latin American Politics	Dept of Political Science	Spring 2016
POLS 430	United States Foreign Policy	Dept of Political Science	Spring 2016
POLS 499	Capstone Research Seminar	Dept of Political Science	Spring 2016
PSYC 335	Biological Bases of Behavior	Dept of Psychology	Fall 2015
PSYC 488	Directed Research in Psych	Dept of Psychology	Fall 2015
PSYC 488	Directed Research in Psych	Dept of Psychology	Spring 2016
SCM 345	Principles of Operations Mgmt	Dept of IT & Supply Chain Management	Fall 2015
SCM 345	Principles of Operations Mgmt	Dept of IT & Supply Chain Mgmt	Spring 2016
SCM 366	Supply Chain Modeling	Dept of IT & Supply Chain Management	Fall 2015
SCM 366	Supply Chain Modeling	Dept of IT & Supply Chain Mgmt	Spring 2016
SCM 380	Quality Mgt & LEAN Process	Dept of IT & Supply Chain Management	Fall 2015
SCM 380	Quality Mgt & LEAN Process	Dept of IT & Supply Chain Mgmt	Spring 2016
SCM 410	Supply Chain Trans & Distr	Dept of IT & Supply Chain Management	Fall 2015
SCM 410	Supply Chain Trans & Distr	Dept of IT & Supply Chain Mgmt	Spring 2016
SCM 416	Procure, Logis, & SC Integra	Dept of IT & Supply Chain Management	Fall 2015
SCM 416	Procure, Logis, & SC Integra	Dept of IT & Supply Chain Mgmt	Spring 2016
SCM 435	Project Management	Dept of IT & Supply Chain Management	Fall 2015
SCM 435	Project Management	Dept of IT & Supply Chain Mgmt	Spring 2016
SOC 310	Elementary Social Statistics	Dept of Sociology	Spring 2016
SOC 340	Sociology of the Family	Dept of Sociology	Fall 2015
SOCWRK 414	Trauma-Informed Child Welfare	School of Social Work	Spring 2016
SOCWRK 444	Gen Social Work Practice II	School of Social Work	Fall 2015
THEA 330	Devel of Theatre III: Contemp	Dept of Theatre Arts	Fall 2015

Course	Course Title	Department	Term
THEA 340	Playwriting	Dept of Theatre Arts	Fall 2015
THEA 352	Costume Design	Dept of Theatre Arts	Spring 2016
ZOOL 301	Comparative Vertebrate Anatomy	Dept of Biological Sciences	Fall 2015
ZOOL 400	Vertebrate Histology	Dept of Biological Sciences	Spring 2016
ZOOL 401	Human Physiology	Dept of Biological Sciences	Spring 2016
ZOOL 409	General & Comparative Physio	Dept of Biological Sciences	Fall 2015

Appendix C.



NOTES: Departments depict the majors of students and are not necessarily the source of the perceived delays. Departments with too few respondents (<5) to the Graduating Student Survey are not shown. Surveys are summarized by year, which is defined as Summer, Fall, and Spring.