OKLAHOMA STATE UNIVERSITY - STILLWATER

Distance Education

FY 2004

Through
International Education & Outreach

OKLAHOMA STATE UNIVERSITY - STILLWATER

International Education & Outreach
Distance Education Report

History

OSU's distance education efforts began as far back as the1920s with the establishment of correspondence courses and extension radio programs. In 1921, President James B. Eskridge recommended that a correspondence school be established in order to take educational offerings away from the campus. That first year of operation, more than 150 courses were made available. The first college program to be broadcast by radio occurred on April 6, 1925, and by 1927, Oklahoma A&M College was broadcasting three radio programs a week.

The first courses offered via television for mass teaching occurred in 1956 when A&S Extension offered an experimental course and followed in 1959 with a credit course in Beginning Spanish.

In the 1970s, course work was delivered by the State Regent's Talkback Television System. This included microwave-based audio and video distribution with telephone audio feedback. The noncredit CPA Review was offered by Business Extension for a number of years with practicing accountants across the state enrolled annually to update their working knowledge. The Master of Business Administration (MBA) degree was also offered and a number of students were able to attain their degree via the Talkback network.

In 1981, University Extension and the College of Veterinary Medicine produced OSU's first satellite teleconference on new surgical procedures and diagnostic techniques. Over 200 veterinarians across the state participated. College extension units followed with a number of noncredit satellite delivered conferences on topics ranging from "Earth Sheltered Housing" to "Trends in Marketing Theory Development". During the 80's almost 145,000 individuals participated in satellite delivered programming.

The first distance education graduate degree programs utilizing compressed video were offered by Engineering Extension in 1991 when they delivered the Mechanical and Electrical Engineering masters degrees to Halliburton in Duncan, Oklahoma.

Compressed video is no longer the technology of choice. In FY '04 only 6% of students in electronically delivered distance education courses were enrolled in courses delivered via compressed video. Forty-three percent were enrolled in internet delivered courses and 40% were in CDROM based courses. The remaining were enrolled in videotape, audio and Zip File delivered courses. Print-based independent study courses provided another option for learners at a distance.

Current

Eleven degrees at a distance are offered through outreach units in the colleges of Arts & Sciences; Business Administration; Engineering, Architecture & Technology; and Human Environmental Sciences: 1) Master of Business Administration, 2) M.S. in Telecommunications Management, 3) M.S. in Computer Science, 4) M.S. in Control Systems Engineering, 5) M.S. in Electrical and Computer Engineering, 6) M.S. in Engineering and Technology Management, 7) M.S. in Mechanical Engineering, 8) M.S. in Natural and Applied Sciences/Health Care Administration, 9) M.S. in Natural and Applied Sciences/Gerontology, 10) M.S. in Human Environmental Sciences/Family Financial Planning, and 11) B.S. completion degree in Electrical Engineering Technology. In addition, Arts and Sciences Extension provides distance courses to assist students in completing the M.S. in Fire and Emergency Management. Other degrees at a distance include the M.S. in Agricultural Education and Master of Agriculture in Agricultural Education offered by the College of Agricultural Sciences and Natural Resources and the M.S. in Natural and Applied Sciences/Environmental Science in the Graduate College.

In FY '04 over 250 electronically delivered distance education courses were offered by outreach units. These courses generated almost 3,000 enrollments and 7,000 semester credit hours (SCH). This represents a 20% growth rate over the previous year. Another 2,000 enrolled in print-based independent study courses.

Fifty-seven students completed their degrees in FY '04 bringing the number of graduates to over 310 individuals who have completed a master's degree delivered by distance technology (this does not include a number of students who attained an MBA via the Talkback Television network). Many others have utilized distance education credit courses to enroll in portions of their degree program or just to gain knowledge in a certain area.

On a daily basis, OSU outreach staff work with companies such as Halliburton, ConocoPhillips, OG&E, Goodyear, MerCruiser, Boeing Company, Seagate Technology, Sprint, Southwestern Bell (SBC), Integris Health Center, Frontier Electric Systems, Kerr McGee Corporation and Sun Microsystems to deliver distance education degree programs.

In addition to students in Oklahoma, outreach staff deliver distance education programs to students in Kansas, Texas, Missouri, New Mexico, Georgia, Idaho, Illinois, Massachusetts, Maryland, New Hampshire, and Virginia - to name a few. Outside the United States, students have been enrolled in India, Japan, Canada, Thailand, UAE, and the UK.

Partnerships

The College of Engineering, Architecture, and Technology/Engineering Extension was one of the founding institutions in the creation of the National Technological University (NTU), a private accredited institution created to meet the advanced educational needs of today's busy, highly mobile engineers, scientists, and technical managers. The colleges of Arts and Sciences and Business Administration are also active participants with NTU.

The College of Engineering, Architecture and Technology's Distance Education unit is currently collaborating with OSU-Okmulgee to provide some of the core courses in Okmulgee's recently approved degree program "BT in Instrumentation Engineering Technology." CEAT Distance Education also continues to offer courses in the Electrical Engineering Technology degree completion program at OSU-Oklahoma City.

Through the College of Business Administration and the School of International Studies, the Executive MBA in Managing E-Business is partially delivered by distance education to students at Zayed University in Dubai, United Arab Emirates. The program is part of a consortium made up of the University of Kentucky, Clemson University, and OSU.

The College of Human Environmental Sciences/HES Outreach has collaborated with nine other universities to facilitate and share online degree programs. The program, called the Great Plains Interactive Distance Education Alliance (GP-IDEA), is made up of Oklahoma State University, Colorado State University, Iowa State University, Kansas State University, Michigan State University, Montana State University, University of Nebraska, North Dakota State University, South Dakota State University and Texas Tech University. In Fall 2002 the first distance delivered courses were offered to meet the requirements of the M.S. Program in Family Financial Planning. An on-line masters program in Gerontology started in fall 2003.

Degree Programs

Master of Business Administration: Today's successful managers must be able to excel on multiple levels, and at OSU, the MBA Program is designed to integrate the knowledge, skills and experiences necessary to achieve career goals. The Distance Learning MBA is a proven, self-paced 45-hour program designed for working professionals, managers, entrepreneurs and small business owners who are preparing for advancement or increased responsibilities in their companies. **Real-World Curriculum:** The faculty—with varied academic, governmental, corporate and consulting backgrounds—bring real-world experience to the classroom. Students receive the necessary theoretical background but also learn about the latest trends and developments from faculty attuned to what is going on in the real world. **Teamwork Focus:** The Distance Learning MBA is different from other online or virtual MBA programs in that it incorporates the same teamwork focus as featured in the full-time MBA. Students get to know others earning their MBA as well as develop a team orientation that is valued by the business world. Teamwork is facilitated by a variety of techniques including the use

of e-mail and web boards. **Who Should Enroll:** The MBA Program requires that applicants have earned a four-year undergraduate degree or equivalent from an accredited university or college. Applicants must possess a competitive GMAT or GPA to be considered for admission. At OSU, the average GMAT and GPA are 601 and 3.51 respectively. The MBA program is a 36 to 48 credit hour degree program depending on the student's course background. Work experience is not required but is preferred. While there are no formal prerequisite courses to the program, a sound background in calculus and quantitative skills is beneficial.

Master of Science in Telecommunications Management: Telecommunications dramatically influences how individuals and companies communicate and conduct business from government to health care to the entertainment industry. Since the MSTM Program was established, OSU has produced superior telecommunications professionals by maintaining close company ties to keep curriculum relevant, cutting edge and abreast of the latest trends and challenges presented by this fast-paced industry. **Unique Interdisciplinary Approach:** Working together, the colleges of Business Administration; Engineering, Architecture and Technology; and Arts and Sciences have built one of the nation's most unique interdisciplinary telecommunications management programs. MSTM graduates develop broad knowledge in areas of business, technology and communications with options to specialize in areas that best fit their career aspirations. **Industry-Driven Curriculum:** The 35-hour program consists of 23 hours of core courses and 12 hours of electives. Core classes instruct students in effective design and management of telecommunications systems, telecommunications technology with an extensive hands-on component, and technical and regulatory trends. The Distance Learning MSTM generally takes two and a half years to complete. **Telecommunications Laboratory:** In support of the extensive theory-based curriculum, the telecommunications laboratory course gives degree candidates the opportunity to gain hands-on experience with the hardware used to move voice, data and video traffic. The labs are continually updated so that students have the most comprehensive facility of any higher education institution anywhere.

Master of Science in Computer Science: The distance learning version of the M.S. in Computer Science provides students with a relatively "fixed" program of study designed to accommodate small numbers of students. The program consists of 24 hours of graduate course work plus a six hour creative component, leading to a thesis. The formal courses are offered at a rate of two courses each regular semester (fall and spring). Particular courses in the program are subject to review and change based upon student needs. All courses are taught by OSU faculty. **Who Should Enroll:** Students must have an undergraduate major in computer science or significant course work or work experience in computer science. A student well prepared for M.S. study should have a good background in mainstream computer science. This includes experience with procedural programming languages and nonprocedural languages; background in computer architecture or assembly language, data structures, operating systems, software engineering, and related mathematics. A student who lacks experience in some of these areas may be admitted with deficiencies listed.

Master of Science in Control Systems Engineering: The Master of Science in Control Systems Engineering is a free-standing degree program offered by the College of Engineering, Architecture and Technology. Four different schools within the College participate in the program; i.e., Chemical Engineering, Electrical and Computer Engineering, Industrial Engineering and Management, and Mechanical and Aerospace Engineering. The MSCSE is designed both for practicing engineers and scientists as well as full-time graduate students. Delivery by distance learning technology provides time and schedule flexibility to match busy work requirements. Course options allow for building a program that closely matches pertinent work topics and career paths. The material learned in class can have immediate application on the job. In some courses, with the permission of the instructor, on-the-job projects can be incorporated into classroom assignments. **Who Should Enroll:** Engineers and scientists on the fast track, persons who have a bachelor's degree in engineering with an undergraduate GPA of 3.25 or higher, and those who have a need to add new control engineering skills to better respond to continuing career opportunities and responsibilities.

Master of Science in Electrical and Computer Engineering: The M.S. in Electrical and Computer Engineering is designed for students interested in careers in industry and government service that emphasize advanced design, development, and research methods for high technology. Major areas of emphasis in both course offerings and research include communications, speech and image processing, laser applications, computer systems, digital and analog VLSI design, electronics, control theory, real-time system control, renewable energy systems, electric power economics, microwave remote sensing, expert system development, and parallel processing. **Options:** 24 hours of approved course work and 6 hours of thesis or 33 hours of approved coursework including at least two hours of an approved creative activity.

Master of Science in Engineering & Technology Management: The MSETM is a degree program provided by the colleges of Engineering, Architecture and Technology; Business Administration; and Arts and Sciences. The degree is designed specifically for today's fast-track engineer or scientist. Effective planning, selection, implementation and management of technology are essential to the success of any business in today's time-critical, global markets. Career paths and responsibilities of engineers and scientists often include project management, selection and supervision of people, and executive and strategic leadership. This program will help managers who must integrate rapidly changing technology and cost-effective product and process design. Course options allow students to build a program that closely matches pertinent work topics and career paths. **Who should enroll:** Participants in this program are working professionals--engineers and scientists on the fast track. Participants should have 1) a bachelor's degree in engineering or the physical mathematical sciences, 2) at least three years' employment since graduation with a bachelor's degree, and 3) the need to add new skills to better respond to continuing career opportunities and responsibilities. A typical student will complete the requirements in approximately three years. Some students have had success at a much faster pace, concluding the program after eighteen months.

Master of Science in Mechanical Engineering: Mechanical engineering is an exceedingly diverse field that covers an exceptionally wide range of systems, devices and vehicles. Mechanical engineers are vitally concerned with all forms of energy production, utilization and conservation. They deal with everything mechanical, whether it is small or large, simple or complex—from power lawn mowers to automobiles, fuel cells to nuclear power plants, gas turbine engines to interplanetary space vehicles, artificial limbs to life support systems, robotic manipulators to complex automatic packaging machines, precision instruments to construction machinery, household appliances to mass transit systems, and heating and air-conditioning systems to off-shore drilling platforms. Students may select from two options: 1) a thesis option requiring 24 credit hours of coursework plus a 6 credit hour written thesis and oral defense, or 2) a creative component option requiring 33 credit hours of coursework plus a 2 credit hour written report on a project demonstrating creative abilities of the student and an oral defense.

Master of Science in Natural and Applied Sciences/Health Care Administration: The M.S. in Natural and Applied Sciences/Health Care Administration is designed for individuals who seek to pursue a career in the field of health care management. This graduate degree specialization is primarily designed for individuals with two to three years of experience and who are employed in the U.S. health care industry or as a health care professional in other organizations. The curriculum is designed to fit the schedules of people employed on a full- or part-time basis and who plan to take courses on a part-time basis. The curriculum provides knowledge of management concepts, processes and techniques associated with management and administration functions in an organization. This interdisciplinary degree specialization uses courses from the MBA program, the Public Administration option in the Masters of Political Science as well as Nutritional Sciences and other programs at OSU. With this interdisciplinary specialization, students have the flexibility to tailor a plan of study to meet their individual needs and career goals. Students typically take about three years to complete the program. The 32-hour program has two core required courses and six core elective courses as well as two general elective courses from approved graduate level courses. A three-hour creative component is required.

Master of Science or Graduate Certificate in Natural and Applied Sciences/Gerontology: OSU is a member of the Great Plains Interactive Distance Education Alliance (GP-IDEA), a consortium of universities that have come together to offer post-baccalaureate programs through distance education to students whose families or careers keep them from completing an on-campus degree. Universities collaborating on the Gerontology program are Colorado State University, Iowa State University, Kansas State University, Montana State University, North Dakota State University, Oklahoma State University and Texas Tech University. Students select a "home" institution from which their degree will be granted, and then take courses from their home institution and the other cooperating universities. The program has been designed to provide students with the core competencies identified by the Association for Gerontology in Higher Education. **Who Should Enroll:** The 36-hour **web-based master's program** and the 21-hour certificate are designed to prepare professionals who

are either working directly with older people or are involved in education and research related to the elderly. The master's program consists of 8 required 3-hour courses plus 12 hours of electives. The certificate program consists of 5 required 3-hour courses. The remaining 6 hours can be taken from other core courses or from gerontology electives.

Master of Science or Graduate Certificate in Human Environmental Sciences/Family Financial Planning: The M.S. in Human Environmental Sciences/Family Financial Planning is another degree program offered through the Great Plains Interactive Distance Education Alliance. As with the gerontology program, students choose a "home" university from which they wish to receive their degree and then take courses from the participating institutions. Institutions involved in this degree include Oklahoma State University, Montana State University, South Dakota State University, North Dakota State University, Kansas State University, Iowa State University, and the University of Nebraska. The master's degree in family financial planning is a double bonus. Not only does it create the career opportunities associated with a master's degree, it also prepares students to take the Certified Financial Planner examination. The **online graduate program** is registered by the Certified Financial Planner Board of Standards. CFP and Certified Financial Planner are federally registered service marks of the Certified Financial Planner Board of Standards, Inc. They are granted by the CFP Board to those persons who have fulfilled a comprehensive educational requirement, passed the CFP Certification Examination, satisfied a work experience requirement, and agreed to abide by the CFP Board code of ethical conduct. The program consists of 42 hours. The twelve three-hour online courses may be taken in any order. The remaining six hours are supervised experiences or projects in family financial planning. The certificate program consists of 6 three-hour online courses.

Bachelor of Science in Engineering Technology: (a completion degree offered in cooperation with OSU-OKC). This could be the program for individuals with an interest in electrical engineering technology and who would like to earn a Bachelor's degree without driving to Stillwater. OSU has the only ABET accredited Engineering Technology program in Oklahoma. This guarantees acceptance of courses at other institutions and certifies qualifications and competencies to employers. Students take lower division courses at the OSU-OKC and Rose State College campuses. Courses meeting the program's requirements may be transferred from accredited colleges in Oklahoma. Upper division courses are offered on the OSU-OKC and Rose State campuses by interactive television from Oklahoma State University. General education courses which meet OSU requirements may be transferred from accredited colleges.

OKLAHOMA STATE UNIVERSITY

Summary of Distance Learning Programs & Courses

Programs Offered

Programs	# Graduates FY 2004	# Graduates to Date
College Outreach Units		
MBA	8	88
MS in Telecommunications Management	9	94
MS in Computer Science	0	1
MS in Control Systems Engineering	1	1
MS in Electrical and Computer Engineering	7	37
MS in Engineering and Technology Management	22	52
MS in Mechanical Engineering	2	11
MS in Chemical Engineering*	0	6
MS in Natural & Applied Sciences/Health Care Administration	8	20
MS in Gerontology**	0	0
MS in Family Financial Planning**	0	0
BS Completion Degree in Electrical Engineering Technology	0	2
Total	57	312
Agricultural Sciences & Natural Resources		
MS in Agricultural Education	(info available in ASNR)	
Master of Agriculture in Agricultural Education	"	"
Total		
Graduate College		
MS in Environmental Science	(info available in Grad Col)	

Number of FY 2004 Courses, Enrollments, and SCH

College Outreach Unit	# Crs Offered	# Enroll'd	# SCH
Arts & Sciences	19	102	313
Business	28	467	1,386
Education	32	791	2,195
Engineering	104	908	1,948
Human Environmental Sciences	30	301	814
Independent Study***	197	2,501	1,829
Total	410	5,070	8,485

*no longer offered at a distance

**too new to have graduates

***traditional yearlong independent study courses do not contribute to the SCH count until the student completes the course so no SCH have been counted in those courses; it should be noted, however, that during FY 2004 yearlong students who completed courses added 2,700 SCH to the institution's overall count.

INTERNATIONAL EDUCATION & OUTREACH

FY 2004 Distance Education Courses Facilitated by Program Units

Course Prefix & #	Course Title	Comp'd Video	Video Tape	CDROM	Internet	Indep Study	Zip File	Audio	# Enrolled	# SCH
	Arts & Sciences									
Summer 2003										
CS 3373/ 5070	Object Oriented Programming & C++		2						2	6
POLS 1113	American Government				23				23	69
Fall 2003										
CS 3373/ 5070	Object Oriented Programming & C++	1		1					2	6
CS 4113	Computing for Scientists & Engineers				1				1	3
CS 5413	Data Structures & Algorithm Analysis II	1							1	3
MATH 2144	Calculus I				4				4	16
POLS 1113	American Government				9				9	27
POLS 1113	American Government - 12-week course				2				2	6
POLS 5633	Practical Environmental Compliance			12					12	36
Spring 2004										
CS 3613	Theoretical Foundations of Computing	3							3	9
CS 4113	Computing for Scientists & Engineers				4				4	12
CS 4283	Computer Networks	3							3	9
CS 5000	Research & Thesis	1							1	3
CS 5113	Computer Organization & Architecture	3							3	9
CS 5283	Computer Network Programming	1							1	3
MATH 2144	Calculus I				3				3	12
POLS 1113	American Government				16				16	48
POLS 1113	American Government - 12-week course				1				1	3
POLS 5643	Regulatory Risk Analysis			11					11	33
	Total A&S	13	2	24	63	0	0	0	102	313
	Business									
Summer 2003										
ACCT 5103	Financial Accounting			11			2		13	39
LSB 5163	Legal Environment of Business			17			1		18	54
MBA 5990	Applied Business Report					11			11	33
MGMT 5223	Contemporary Human Resource Mgmt	2		24			1		27	81
MKTG 5113	Marketing Management			28			2		30	90
TCOM 5990	Directed Studies in TCOM Management					1			1	3
TCOM 5163	Telecommunications Practicum					2			2	6
Fall 2003										
MBA 5233	Global Competitive Environment			21	2		4		27	81
FIN 5013	Business Finance			29	6		3		38	114
TCOM 5233	Applied Information Systems & Security			11					11	33
MSIS 5543	Advanced File & Data Mgmt for Business	2		11					13	39
MGMT 5553	Mgmt of Technology & Innovation	2		43	4		3		52	156
TCOM 5113	Industry Overview	2		6	1		1		10	30
TCOM 5153	International Telecommunications Mgmt			6	1				7	21
MBA 5990	Applied Business Report					2			2	6
Spring 2004									0	
TCOM 5143	Telecom Analysis, Plng & Design	2		10	1				13	39
MSIS 5600	Managing Virtual Team Projects			1	2				3	3
MSIS 5123	Enterprise Integ & Collaborative Com			2	3				5	15

Course Prefix & #	Course Title	Comp'd Video	Video Tape	CDROM	Internet	Indep Study	Zip File	Audio	# Enrolled	# SCH
LSB 5163	Legal Environment of Business			29	1				30	90
MSIS 5303	Quantitative Methods in Business			30	1		3		34	102
MKTG 5133	Marketing Management			49			1		50	150
MSIS 5643	Advanced Database Management			6	2				8	24
TCOM 5123	TCOM Systems II			7	2				9	18
FIN 5053	Theory & Practice of Financial Mgmt			24	3		1		28	84
TCOM 5173	Global Telecommunications Regs			1					1	3
MGMT 5133	Management & Organizational Theory			19	1		2		22	66
TCOM 5163	Telecommunications Practicum					1			1	3
TCOM 5990	Directed Studies in TCOM Management					1			1	3
	Total Business	10	0	385	30	18	24	0	467	1,386
	Education									
Summer 2003										
EDLE 6003	Educational Ideas				10				10	30
EPSY 3213	Psychology of Adolescence				33				33	99
EPSY 3213	Psychology of Adolescence				15				15	45
EPSY 5103	Human Development				18				18	54
EPSY 6133	History & Systems of Psychology				6				6	18
EDUC 2000	College Prep 101				29				29	29
Fall 2003										
EDLE 5720	Strategic Grantseeking				5				5	15
EDLE 6003	Educational Ideas				1				1	3
EDUC 2000	College Prep 101				30				30	30
EDUC 5910	Instructional Effectiveness Training Prog				9				9	27
EDUC 5910	Instructional Effectiveness Training Prog				2				2	6
EPSY 1003	Learning to Learn				56				56	168
EPSy 3113	Psychological Foundations of Childhood				25				25	75
EPSY 3213	Psychology of Adolescence				42				42	126
EPSY 4063	Exploration of the Creative Experience				26				26	78
EPSY 4223	Human Learning in Educ Psychology				50				50	150
EPSY 5103	Human Development				20				20	60
EPSY 5213	Advanced Educational Psychology				8				8	24
EPSY 5463	Psychology of Learning				17				17	51
HHP 3673	Pathology & Pharmacology in Sports Med				26				26	78
REMS 5953	Elementary Statistical Methods				18				18	54
Spring 2004										
EDUC 2000	College Prep 101				30				30	30
EDUC 5993	Instructional Effectiveness				10				10	30
EDLE 5720	Strategic Grantseeking				7				7	21
EPSY 1003	Learning to Learn				63				63	189
EPSY 3113	Psychological Foundations of Childhood				35				35	105
EPSy 3213	Psychology of Adolescence				41				41	123
EPSY 3413	Child & Adolescent Development				31				31	93
EPSY 4063	Exploration of the Creative Experience				32				32	96
EPSY 4223	Human Learning in Educ Psychology				47				47	141
EPSY 5103	Human Development				22				22	66
REMS 5953	Elementary Statistical Methods				27				27	81
	Total Education	0	0	0	791	0	0	0	791	2,195

Course Prefix & #	Course Title	Comp'd Video	Video Tape	CDROM	Internet	Indep Study	Zip File	Audio	# Enrolled	# SCH
	Engineering									
Summer 2003										
ACCT 5103	Financial Accounting & Analysis			2					2	6
ECEN 5000	Master's Thesis					1			1	2
ECEN 5050	Creative Component					1			1	3
ECEN 5353	Advanced Power Electronics			1					1	3
ETM 5110	Independent Study					1			1	1
ETM 5110	Leadership Strats for Tech Professionals			26					26	26
ETM 5111	Intro to Strat Tech & Integration			15					15	15
ETM 5121	Capstone to Strat Tech & Integration I	3		2					5	5
ETM 5131	Capstone to Strat Tech & Integration II	1		1					2	2
ETM 5211	Enterprise Integration			21					21	21
IEM 5010	Special Topics in HCA					1			1	2
IEM 5010	Leading & Managing Tech Implemen			10					10	30
LSB 5163	Legal Environment of Business			8					8	24
MAE 5010	Creative Component					1			1	1
MAE 5093	Numerical Engineering Analysis	5							5	15
MKTG 5133	Marketing Management			12					12	36
MGMT 5223	Contemporary Human Resourse Mgmt			12					12	36
NSCI 5012	Public Policy			3					3	9
Fall 2003										
ECEN 4763	Intro to Digital Signal Processing			2					2	6
ECEN 5123	Engineering Systems Reliability Evaluation			3					3	9
ECEN 5223	Digital System Testing			1					1	3
ECEN 5253	Digital Computer Design	1		1					2	6
ECEN 5513	Stochastic Systems			1					1	3
MAE 5513	Stochastic Systems			1					1	3
ECEN 5533	Modern Communication Theory			1					1	3
ECEN 5553	Telecommunication Systems	2		3					5	15
ECEN 5763	Digital Signal Processing			5					5	15
EET 3524	Advanced Logic Circuits	9							9	36
EET 4314	Elements of Controls	6							6	24
ENGR 4133	Environmental Law for Tech Professionals	1		1					2	6
ETM 5111	Intro to Strat Tech & Integration			26					26	26
ETM 5111	Intro to Strat Tech & Integration			15					15	15
ETM 5121	Capstone to Strat Tech & Integration I			9					9	9
ETM 5131	Capstone to Strat Tech & Integration II			14					14	14
ETM 5241	Strategic Project Management			37					37	37
ETM 5281	Comprehensive Planning			21					21	21
ETM 5391	New Prod Development & Commercializat			21					21	21
GENG 4010	Engineering Mathematics Review			3					3	9
GENT 2323	Statics	4							4	12
GENT 3123	Applied Analysis for Technology	8							8	24
IEM 4113	Industrial Experimentation			2					2	6
IEM 5010	Social Structure in Health Care Systems			3					3	9
IEM 5113	Strategic Quality Leadership			34					34	102
IEM 5503	Financial & Advanced Investment Analysis			15					15	45
IEM 5603	Project Management				3				3	9
IEM 5613	Integration Manufacturing Control Systems			10					10	30
IEM 5813	Performance Measurement System	1		14					15	45
IEM 5943	Hazardous Materials & Waste Mgmt			1					1	3

Course Prefix & #	Course Title	Comp'd Video	Video Tape	CDROM	Internet	Indep Study	Zip File	Audio	# Enrolled	# SCH
MAE 4053	Automatic Control systems			3					3	9
MAE 5233	Viscous Fluid Dynamics	4		2					6	18
MAE 5463/ ECEN 5463	Nonlinear Systems Analysis & Control			11					11	33
MGMT 5553	Management Techniques & Innovations			22					22	66
MSIS 5543	Advanced File & Data Mgmt for Business			4					4	12
SOC 5813	Myths & Realities of Organizational Change	2		13					15	45
CS 5070	Object Oriented Programming & Visual C++			1					1	3
TCOM 5233	Applied Information System Security			2					2	6
Spring 2004										
CHE 5703	Optimization Applications			3					3	9
CHE 5853	Advanced Chemical Process Control			7					7	21
ECEN 3613	Electromagnetic Fields			1					1	3
ECEN 3913	Solid State Electronic Devices			2					2	6
ECEN 5153	Direct Energy Conversion			3					3	9
ECEN 5263	VLSI Digital Systems Design			1					1	3
ECEN 5413/ MAE 5413	Optimal Control			4					4	12
ECEN 5513	Stochastic Systems			5					5	15
ECEN 5553	Telecommunication Systems			2					2	6
ECEN 5733	Neural Networks			3					3	9
ECEN 5833	Fiber-Optic Communication Systems			1					1	3
EET 3113	Circuit Analysis II	2							2	6
EET 3254	Microprocessors I	7							7	28
EET 3354	Advanced Circuits I	8							8	32
EET 3363	Data Acquisition	9							9	27
EET 4363	Advanced Circuits II	3							3	9
ENGR 4113	Intellectual Property Law			10					10	30
ETM 5110	Independent Study					2			2	4
ETM 5111	Intro to Strat Tech & Integration			17					17	17
ETM 5111	Intro to Strat Tech & Integration			15					15	15
ETM 5121	Capstone to Strat Tech & Integration I			5					5	5
ETM 5131	Capstone to Strat Tech & Integration II			12					12	12
ETM 5231	Benchmarking			21					21	21
ETM 5251	Problem Solving & Decision Making			35					35	35
ETM 5251	Problem Solving & Decision Making			15					15	15
ETM 5291	Failure Mode & Effects Analysis			28					28	28
ETM 5361	Managing Virtual Project Teams			17					17	17
ETM 5371	Ethics for Practicing Engineers			9					9	9
ETM 5391	New Product Development			13					13	13
GENG 4010	Engineering Math Review			4					4	12
GENT 3323	Strength of Materials	4							4	12
IEM 4103	Industrial Quality Control			7					7	21
IEM 5010	Health Care Financing			3					3	9
IEM 5153	Process Design & Integration			3					3	9
IEM 5363	Mgmt of Cellular Manufacturing Systems			4					4	12
IEM 5623	Project Planning & Control Technologies				4				4	12
IEM 5743	Information Systems & Technology	1		18					19	57
IEM 5763	Supply Chain Strategy			11					11	33
IEM 5823	Performance Management & Improvement			24					24	72
LSB 5163	Legal Environment of Business			15					15	45

Course Prefix & #		Course Title	Comp'd Video	Video Tape	CDROM	Internet	Indep Study	Zip File	Audio	# Enrolled	# SCH
MAE	5503	Advanced Composites			4					4	12
MBA	5192	Conflict Resolution & General Mgmt Lead	44							44	132
MGMT	5113	Management & Organizational Theory			2					2	6
MKTG	5133	Marketing Management			14					14	42
MSIS	5303	Quantitative Methods in Business			5					5	15
MSIS	5643	Advanced Database Management			3					3	9
NSCI	5673	Manpower Management		1	6					7	21
TCOM	5123	Telecommunication Systems II			1					1	3
		Total Engineering	125	1	768	7	7	0	0	908	1,948
		Human Environmental Sciences									
Summer 2003											
DHM	5503	Housing & Real Estate for FFP				7				7	21
HDFS	5363	Early Childhood Models & Practices				23				23	69
HDFS	5470	History of Early Childhood Education				5				5	15
HES	3002	Contemporary Issues in HES				38				38	76
HES	5253	Family Economics				2				2	6
HES	5453	Retirement & Employee Benefits in Families				2				2	6
NSCI	5012	Public Policy in Food, Nutrition & Related	5							5	10
Fall 2003										0	
HDFS	4750	Internship				12				12	55
HDFS	5740	Palliative Care				16				16	48
HDFS	5110	Palliative Care				1				1	3
HDDFS	5203	Family Systems				4				4	12
HDFS	5403	Perspectives in Gerontology				2				2	6
HDFS	5413	Adult Development & Aging				1				1	3
HES	3002	Contemporary Issues in HES				46				46	92
HES	5303	Fundamentals of Family Financial Planning				7				7	21
HES	5603	Investing for the Family Future				2				2	6
HES	5653	Personal Income Taxation				5				5	15
Spring 2004											
HDFS	4750	Internship				25				25	122
HDFS	5373	Early Childhood Adm Policy & Analysis	8							8	24
HDFS	4850	Palliative Care				13				13	39
HDFS	4850	Ethics & Aging					8			8	8
HDFS	4850	Partnership in Aging					1			1	1
HES	3002	Contemporary Issues in HES				48				48	96
HES	5353	Financial Planning				1				1	3
HES	5403	Estate Planning for Families				4				4	12
HES	5543	Environments & Aging				1				1	3
HES	5553	Insurance Planning for Families				3				3	9
HES	5703	Professional Practices in Family Fin Plng				3				3	9
NSCI	5323	Nutrition & Physical Activity in Aging				1				1	3
NSCI	5673	Manpower Mgmt in Healthcare & Related	7							7	21
		Total Human Environmental Sciences	20	0	0	272	9	0	0	301	814
		Independent Study (semester length electronic media courses)									
Summer 2003											
BCOM	3113	Written Communication				12				12	36
BCOM	3333	Business Report Writing				3				3	9
ECON	2103	Intro to Microeconomics				2				2	6
ECON	2203	Intro to Macroeconomics				4				4	12
ECON	3113	Intermediate Microeconomics				1				1	3

Course Prefix & #	Course Title	Comp'd Video	Video Tape	CDROM	Internet	Indep Study	Zip File	Audio	# Enrolled	# SCH
Fall 2003										
BCOM 3113	Written Communication				8				8	24
BCOM 3333	Business Report Writing				5				5	15
ECON 2103	Intro to Microeconomics				10				10	30
ECON 2203	Intro to Macroeconomics				8				8	24
ECON 3113	Intermediate Microeconomics				5				5	15
MGMT 3123	Managing Behavior & Organizations				5				5	15
Spring 2004										
ANSI 3423	Animal Genetics				3				3	9
BCOM 3333	Business Report Writing				7				7	21
ECON 2103	Intro to Microeconomics				1				1	3
MGMT 3123	Managing Behavior & Organizations				10				10	30
	Total Semester-Length Electronic Media	0	0	0	84	0	0	0	84	252
	Independent Study (semester length print-based courses)									
Summer 2003										
BADM 4010	Small Business Management					7			7	21
BCOM 3113	Written Communication					10			10	30
BCOM 3223	Organizational Communication					18			18	54
BCOM 3333	Business Report Writing					8			8	24
ECON 2103	Intro to Microeconomics					7			7	21
ECON 2203	Intro to Macroeconomics					4			4	12
ECON 3113	Intermediate Microeconomics					2			2	6
MGMT 3013	Management					12			12	36
MGMT 3123	Org Behavior & Management					10			10	30
MGMT 3313	Human Resource Management					19			19	57
MKTG 3513	Sales Mgmt					6			6	18
Fall 2003										
BADM 2010	Consumer Law I					5			5	5
BADM 2010	Consumer Law II					4			4	4
BADM 4010	Small Business Management					11			11	33
BCOM 3113	Written Communication					8			8	24
BCOM 3223	Organizational Communication					48			48	144
BCOM 3333	Business Report Writing					16			16	48
ECON 2103	Intro to Microeconomics					6			6	18
ECON 2203	Intro to Macroeconomics					4			4	12
ECON 3113	Intermediate Microeconomics					2			2	6
LSB 3213	Legal & Regulatory Env Issues					10			10	30
MGMT 3013	Management					6			6	18
MGMT 3123	Managing Behav & Orgs					5			5	15
MGMT 3313	Human Resource Management					23			23	69
MKTG 3513	Sales Mgmt					19			19	57
MSIS 3223	Prod & Operations Mgmt					7			7	21
Spring 2004										
ANSI 3753	Basic Nutrition for Pets					10			10	30
BADM 2010	Consumer Law I					2			2	2
BADM 4010	Small Business Management					21			21	63
BCOM 3113	Written Communication					16			16	48
BCOM 3223	Organizational Communication					53			53	159
BCOM 3333	Business Report Writing					10			10	30
ECON 2103	Intro to Microeconomics					12			12	36
ECON 2203	Intro to Macroeconomics					4			4	12

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ECON	3113	Intermediate Microeconomics					5			5	15
LSB	3213	Legal & Regulatory Env Issues					10			10	30
MGMT	3013	Management					11			11	33
MGMT	3123	Managing Behavior & Organizations					14			14	42
MGMT	3313	Human Resource Management					45			45	135
MKTG	3513	Sales Mgmt					30			30	90
MSIS	3103	Management & Information Systems					3			3	9
MSIS	3223	Prod & Operations Mgmt					10			10	30
		Total Semester Length Print-Based	0	0	0	0	533	0	0	533	1577
		Independent Study (yearlong electronic media)									
ANSI	3423	Animal Genetics				13				13	
ANTH	3353	Cultural Anthropology		18						18	
ECON	2103	Intro to Microeconomics		2		6				8	
ECON	2203	Intro to Macroeconomics				2				2	
ECON	3113	Intermediate Microeconomics				3				3	
ECON	3613	Int'l Economic Relations		3						3	
EDUC	2500	College Prep - 101				5				5	
EET	1003	Intro to Microcomputer Programming			3					3	
ENGL	3040	Poetry Writing							9	9	
ENGL	4413	American Poetry Post 1900		2						2	
EPSY	3113	Psychological Foundations of Childhood		1						1	
FPST	3013	Industrial Safety Organization							11	11	
FREN	1115	Elementary French I							7	7	
FREN	1225	Elementary French II							7	7	
GEOL	1014	General Geology		13						13	
GRMN	1115	Elementary German I							3	3	
GRMN	1225	Elementary German II							6	6	
HDFS	3433	Relationship Development		5						5	
HIST	1483	American History to 1865		1						1	
HIST	1613	Western Civilization to 1500		1						1	
HIST	3423	Modern Japan		12						12	
HIST	3980	Traditional Japan		2						2	
HIST	3980	The Great Plains Experience		3						3	
MATH	1513	College Algebra: Graphing Calculator			24					24	
MGMT	3013	Fundamentals of Management		4						4	
MGMT	3123	Managing Behavior & Organizations				2				2	
MSIS	3103	Database Design, Manipulation -------				2				2	
MUSI	2573	Intro to Music							8	8	
POLS	1113	American Government		25						25	
PSYC	1113	Intro to Psychology		1						1	
PSYC	3513	Psychology of Learning				9				9	
SOC	1113	Intro to Sociology		8						8	
SOC	3993	Sociology of Aging		4						4	
SPAN	1115	Elementary Spanish I							32	32	
SPAN	1225	Elementary Spanish II							51	51	
STAT	2013	Elementary Statistics		8						8	
STAT	2023	Elementary Statistics for Business		1						1	
STAT	3013	Intermediate Statistical Analysis		4						4	
		Total Other Electronic Media	0	118	27	42	0	0	134	321	0

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	Independent Study (yearlong print-based)									
AGED 4713	International Programs in Agriculture Educ					2			2	
ANSI 1124	Intro to Animal Science					7			7	
ANSI 2123	Livestock Feeding					3			3	
ANSI 3423	Animal Genetics					10			10	
ANSI 3543	Principles of Animal Nutrition					229			229	
ANSI 3753	Basic Nutrition for Pets					17			17	
ANSI 3903	Agricultural Animals of the World					28			28	
ACCT 2103	Financial Accounting					31			31	
ACCT 2203	Managerial Accounting					16			16	
BADM 2010	Consumer Law I					5			5	
BADM 2010	Consumer Law II					1			1	
BADM 4010	Business Projects					12			12	
BCOM 3113	Written Communication					54			54	
BCOM 3223	Organizational Communication					24			24	
BCOM 3333	Business Report Writing					20			20	
CDIS 3213	Survey of Communication Disorders					13			13	
CPSY 1112	The World of Work					3			3	
EET 1104	Fundamentals of Electricity					7			7	
ECON 1113	Economics of Social Issues					1			1	
ECON 2203	Intro to Macroeconomics					5			5	
ECON 2103	Intro to Microeconomics					17			17	
ECON 3113	Intermediate Microeconomics					11			11	
ECON 3313	Money and Banking					13			13	
ENGL 1113	Freshman Comp I					26			26	
ENGL 1213	Freshman Comp II					46			46	
ENGL 2333	Intro to Technical Writing					1			1	
ENGL 2413	Intro to Literature					12			12	
ENGL 2773	Survey of American Literature I					8			8	
ENGL 2883	Survey of American Literature II					9			9	
ENGL 3030	Fiction Writing					10			10	
ENGL 3323	Technical Writing					50			50	
ENGL 3333	Short Story					9			9	
ENGL 4013	English Grammar					18			18	
ENGL 4723	Shakespeare					5			5	
ENSC 2112	Statics					1			1	
ENSC 2213	Thermodynamics					9			9	
ENSC 2613	Intro to Electrical Science					5			5	
EPSY 3213	Psychology of Adolescence					21			21	
EPSY 4223	Human Learning in Educational Psychology					15			15	
FIN 3113	Finance					18			18	
FPST 2050	Basic Principles of Fire Sprinkler					10			10	
FPST 2153	Fire Protection Management					4			4	
FPST 2483	Fire Protection Hydraulics					11			11	
FPST 3233	Radiological Safety					6			6	
FPST 3713	Hydraulic Design of Sprinklers					13			13	
FPST 3723	Industrial Fire Pump Installations					7			7	
FPST 3733	Sprinkler System Design					5			5	
FPST 4050	Structural Designs for Fire Safety					1			1	
GENT 2650	Advanced Electronic Problems: Fiber					6			6	
GEOG 1113	Intro to Geographic Behavior					27			27	

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GEOG 1114	Physical Geography					8			8	
GEOG 2253	World Regional Geography					10			10	
GEOG 3033	Meteorology					14			14	
GEOG 3703	Geography of Oklahoma					14			14	
GEOG 4223	Geography of Music					38			38	
HDFS 2113	Human Development within Families					25			25	
HDFS 2213	Human Sexuality					3			3	
HHP 2603	Total Wellness					4			4	
HHP 3010	Health & Human Performance					1			1	
HIST 1103	Survey of American History					24			24	
HIST 1483	American History to 1865					9			9	
HIST 1493	American History Since 1865					4			4	
HIST 1613	Western Civilization to 1500					18			18	
HIST 1623	Western Civilization after 1500					7			7	
HIST 2323	Oklahoma History					1			1	
HIST 3013	Ancient Near East					11			11	
HIST 3023	Ancient Greece					15			15	
HIST 3033	Ancient Rome					19			19	
HIST 3413	East Asia since 1800					10			10	
HIST 3433	Modern China					19			19	
HORT 1003	Principles of Horticulture					6			6	
JB 4433	Feature Writing for Newspapers					20			20	
LSB 3213	Legal & Regulatory Environment					8			8	
MATH 1483	College Algebra					13			13	
MATH 1513	College Algebra					18			18	
MATH 1613	Trigonometry					4			4	
MATH 1715	College Algebra & Trigonometry					4			4	
MATH 2103	Elementary Calculus					18			18	
MATH 2123	Calculus for Technology Program					5			5	
MATH 2233	Differential Equations					12			12	
MATH 2910	Special Studies: Metric System					24			24	
MATH 3013	Linear Algebra					7			7	
MGMT 3013	Fundamentals of Management					16			16	
MGMT 3123	Managing Behavior & Organizations					20			20	
MGMT 3313	Human Resource Management					10			10	
MKTG 3213	Marketing					15			15	
MKTG 3513	Sales Management					37			37	
MSIS 3223	Production & Operations Management					21			21	
NSCI 2114	Basic Human Nutrition					20			20	
PHIL 1013	Philosophical Classics					12			12	
POLS 1113	American Government					2			2	
POLS 3313	Government & Politics in the Mid-East					7			7	
POLS 3613	State & Local Government					14			14	
PSYC 1113	Intro to Psychology					11			11	
PSYC 4493	History of Psychology					6			6	
SOC 2123	Social Problems					9			9	
SOC 3523	Juvenile Delinquency					9			9	
STAT 2013	Elementary Statistics					36			36	
STAT 2023	Elementary Statistics for Business					11			11	
STAT 3013	Intermediate Statistical Analysis					20			20	
STAT 4033	Engineering Statistics					10			10	

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TH 2413	Intro to Theatre in Western Civilization					2			2	
	Total Print-Based	0	0	0	0	1,563	0	0	1,563	0
	Total IS	0	118	27	126	2,096	0	134	2,501	1,829
Total		168	121	1,204	1,289	2,130	24	134	5,070	8,485