

**2007 - 2009 TWU CORE COURSES WITH EXEMPLARY OBJECTIVES**

A core class cannot be taken for more than one core area (no “double-dipping”). This includes courses that are cross-listed in two or more departments and are approved for two or more areas of the core.

**NOTE: Non-core courses may not be substituted for core courses by rule of the Texas Higher Education Coordinating Board.**

**I. COMMUNICATION (10) (2 courses required)**

1. To understand and demonstrate writing and speaking processes through invention, organization, drafting, revision, editing, and presentation.
2. To understand the importance of specifying audience and purpose and to select appropriate communication choices.
3. To understand and appropriately apply modes of expression, i.e., descriptive, expository, narrative, scientific, and self-expressive, in written, visual, and oral communication.
4. To participate effectively in groups with emphasis on listening, critical and reflective thinking, and responding.
5. To understand and apply basic principles of critical thinking, problem solving, and technical proficiency in the development of exposition and argument.
6. To develop the ability to research and write a documented paper and/or to give an oral presentation.

TWU			TCCNS	Approved	Reviewed
ENG	1013	Composition I	ENGL 1301		2009
ENG	1023	Composition II	ENGL 1302		2009

**II. Mathematics (20) (1 course required)**

1. To apply arithmetic, algebraic, geometric, higher-order thinking, and statistical methods to modeling and solving real-world situations.
2. To represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically.
3. To expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments.
4. To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.
5. To interpret mathematical models such as formulas, graphs, tables and schematics, and draw inferences from them.
6. To recognize the limitations of mathematical and statistical models.
7. To develop the view that mathematics is an evolving discipline, interrelated with human culture, and understand its connections to other disciplines.

		TWU Course	TCCNS	Approved	Reviewed
MATH	1023	Introduction to Mathematics II	MATH 1333		2004
MATH	1303	Elementary Analysis I	MATH 1314		2004
MATH	1313	Elementary Analysis II	MATH 1316		2004
MATH	1703	Elementary Statistics I	MATH 1342		2004
MATH	1713	Elementary Statistics II	MATH 2342		2004
MATH	2014	Introductory Calculus I	MATH 2413		2004
MATH	2024	Introductory Calculus II	MATH 2414		2004

**III. Natural Sciences (30) (2 courses [6 credits] required plus lab corequisites)**

1. To understand and apply method and appropriate technology to the study of natural sciences.

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2. To recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.
3. To identify and recognize the differences among competing scientific theories.
4. To demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies.
5. To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.

		TWU Course	TCCNS	Approved	Reviewed
BACT	1001	Microbiology Lab	BIOL 2120		2009
BACT	1003	Microbiology	BIOL 2320		2009
BIOL	1001	Biology for the 21st Century		Fall 2006	
BIOL	1003	Biology for the 21st Century Lab		Fall 2006	
BIOL	1011	Human Biology Lab			2009
BIOL	1012	Human Biology			2009
BIOL	1021	Environmental Biology Lab	BIOL 2106		2009
BIOL	1022	Environmental Biology	BIOL 2206		2009
BIOL	1111	Principles of Biology Lab	BIOL 1106		2009
BIOL	1113	Principles of Biology	BIOL 1306		2009
BIOL	1121	Principles of Biology Lab II	BIOL 1107		2009
BIOL	1123	Principles of Biology II	BIOL 1307		2009
CHEM	1011	Introductory Chemistry Lab	CHEM 1105		2009
CHEM	1013	Introductory Chemistry	CHEM 1305		2009
CHEM	1021	Intro to Organic and Physiol. Chem. Lab	CHEM 1107		2009
CHEM	1023	Intro to Organic & Physiological Chem.	CHEM 1307		2009
CHEM	1111	Chemical Principles Lab I	CHEM 1111		2009
CHEM	1113	Chemical Principles I	CHEM 1311		2009
CHEM	1121	Chemical Principles Lab II	CHEM 1112		2009
CHEM	1123	Chemical Principles II	CHEM 1312		2009
PHYS	1033	Introduction to Astronomy	PHYS 1311		2009
PHYS	1133	Principles of Physics	PHYS 1301		2004
PHYS	1131	Principles of Physics Lab	PHYS 1101		2004
PHYS	1143	Principles of Physics II	PHYS 1302		2009
PHYS	1141	Principles of Physics Lab II	PHYS 1102		2009
PHYS	2153	General Physics	PHYS 2325		2004
PHYS	2151	General Physics Lab I	PHYS 2125		2004
PHYS	2163	General Physics II	PHYS 2326		2009
PHYS	2161	General Physics and Lab II	PHYS 2126		2009
SCI	1114	General Physical Science	PHYS 1315		2009
SCI	1123	General Life Sciences	PHYS 1317		2009
SCI	2103	Environmental Chemistry: Global Perspectives (GP)			2009
SCI	2113	Earth Science I			2009

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SCI	2123	Earth Science II			2009
SCI	3153	History of Modern Science: 21st Century* (GP)		Fall 2006	
ZOOL	2013	Human Anatomy and Physiology I	BIOL 2301		2009
ZOOL	2011	Human Anatomy & Physiology Lab	BIOL 2101		2009
ZOOL	2023	Human Anatomy & Physiology II	BIOL 2302		2009
ZOOL	2021	Human Anatomy & Physiol. II Lab	BIOL 2102		2009
ZOOL	2033	Human Anatomy & Physiology III			2004
ZOOL	2031	Human Anatomy & Physiol. III Lab			2004
ZOOL	2043	Anatomy			2004
ZOOL	2041	Anatomy Lab			2004
ZOOL	2052	Animal Physiology			2009
ZOOL	2051	Animal Physiology & Lab			2009

**IV Humanities and Visual and Performing Arts (2 courses required - 1 Humanities and 1 Visual or Performing Arts)**

1. To demonstrate awareness of the scope and variety of works in the arts and humanities.
2. To understand those works as expressions of individual and human values within an historical and social context.
3. To respond critically to works in the arts and humanities.
4. To engage in the creative process or interpretive performance and comprehend the physical and intellectual demands required of the author or visual or performing artist.
5. To articulate an informed personal reaction to works in the arts and humanities.
6. To develop an appreciation for the aesthetic principles that guide or govern the humanities and arts.
7. To demonstrate knowledge of the influence of literature, philosophy, and/or the arts on intercultural experiences.

**A. Humanities (40) (1 course required)**

		TWU Course	TCCNS	Approved	Reviewed
ENG	2013	English Literary Masterpieces	ENGL 2321		2004
ENG	2033	American Literary Masterpieces	ENGL 2326		2004
ENG	2043	World Literary Masterpieces	ENGL 2332		2004
ENG	2063	Literature and Medicine			
ENG	2123	Poetry			2004
ENG	2133	Drama (GP)			2004
ENG	2143	Fiction			2004
ENG	3143	Modern African-American Drama			2004
ENG	3153	American Ethnic Literature			2004
ENG/WS	4393	American Women and Literature			2004
PHIL	1023	Introduction to Philosophy	PHIL 1301		2004
PHIL	2033	Logic	PHIL 2303		2004
PHIL	2043	Contemporary Philosophy			2004
PHIL	2053	Philosophy of Comparative Religions	PHIL 1304		2004
PHIL	2063	Philosophy of Religions in America			2004
PHIL	3013	History of Ancient Philosophy			2004
PHIL	3023	History of Medieval and Modern Philosophy			2004

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PHIL	3043	Philosophy of Religion			2004
PHIL	3053	Ethics			2004
PHIL	3073	Bioethics			2004
PHIL/WS	3083	Ethics and Feminism			2004
Phil/WS	4033	Philosophy of Women & Western Religion			
PHIL	4043	American Philosophy			2004
PHIL	4053	Science and Religion			2004
SPAN	1013	Elementary Spanish	SPAN 1311		2004
SPAN	1023	Elementary Spanish	SPAN 1312		2004
<b>B. Visual and Performing Arts (50) (1 course required)</b>					
		TWU Course	TCCNS	Approved	Reviewed
ART	1203	Two-Dimensional Color and Design	ARTS 1311		2004
ART	1303	Basic Drawing	ARTS 1316		2004
ART	1503	Introduction to Painting			2004
ART	1603	Introduction to Photography	ARTS 2356		2004
ART	2503	History of Art: Ancient and Primitive	ARTS 1303		2004
ART	2513	History of Art: Medieval	ARTS 1304		2004
ART	2713	Understanding the Arts	ARTS 1301		2004
ART	3053	Global Perspectives in Art (GP)			2004
ART	3303	North American Indian Art			2004
ART/WS	3343	Women in the Visual Arts			2004
ART	3373	The World of the Imagination in Art, Dance, and Film			2004
ART	3503	History of Art: Renaissance			2004
ART	3513	History of Art: 19th Century			2004
ART	3823	Ceramics: Hand Building			2004
ART	3833	Ceramics: Throwing			2004
ART	3843	Ceramics			2004
ART	4523	History of Art: 20th Century			2004
DNCE	1011	Introduction to Ballet	DANC 1141		2004
DNCE	1051	Introduction to Modern Dance	DANC 1145		2004
DNCE	1061	Introduction to Jazz Dance	DANC 1148		2004
DNCE	1071	Introduction to Tap Dance	DANC 1111		2004
DNCE	2393	Understanding the Arts: Dance	DANC 2304		2004
DNCE	3143	World Dance Forms (GP)	DANC 1306		2004
DNCE	3373	The World of the Imagination in Art, Dance, and Film			2004
DNCE/WS	3383	Dance, Gender, and Culture			2004
DNCE	3393	History of Dance			2004
DNCE	4383	Performing Arts in American Popular Culture			2004
DRAM	2493	Understanding The Arts			2004
DRAM	3103	Gender, theater, and Performance		Spring 2007	

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FL	2013	Mythology (GP)		
MU	2713	Understanding the Arts: Music	MUSI 1306	2004
MU/WS	3703	Women In Music		2004
MU	3713	Music and World Cultures (GP)		2004

**V. Social and Behavioral Sciences**

**A. History Objectives (60) (2 courses required)**

- To analyze the effects of historical, social, political, economic, cultural, and global forces on the area under study.
- To comprehend the origins and evolution of U.S. and Texas political systems, with a focus on the growth of political institutions, the constitutions of the U.S. and Texas, federalism, civil liberties, and civil and human rights.
- To understand the evolution and current role of the U.S. in the world.
- To differentiate and analyze historical evidence (documentary and statistical) and differing points of view.
- To recognize and apply reasonable criteria for the acceptability of historical evidence and social research.

		TWU Course	TCCNS	Approved	Reviewed
HIST	1013	History of United States: 1492 to 1865	HIST 1301		2009
HIST	1023	History of United States: 1865 to present	HIST 1302		2009

**B. Government Objectives (70) (2 courses required)**

- To analyze, critically assess, and develop creative solutions to public policy problems.
- To recognize and assume one's responsibility as a citizen in a democratic society by learning to think for oneself, by engaging in public discourse, and by obtaining information through the news media and other appropriate information sources about politics and public policy.
- To identify and understand differences and commonalities within diverse cultures.

		TWU Course	TCCNS	Approved	Reviewed
GOV	2013	United States Government	GOVT 2305		2009
GOV	2023	Texas Government	GOVT 2306		2009

**C. Social Sciences Objectives (80) (1 course required)**

- To employ the appropriate methods, technologies, and data that social and behavioral scientists use to investigate the human condition.
- To examine social institutions and processes across a range of historical periods, social structures, and cultures.
- To use and critique alternative explanatory systems or theories.
- To develop and communicate alternative explanations or solutions for contemporary social issues.

		TWU Course	TCCNS	Approved	Reviewed
ECO	1013	Principles of Microeconomics	ECON 2302		2004
ECO	1023	Principles of Macroeconomics	ECON 2301		2004
PSY	1013	Introduction to General Psychology	PSCY 2301		2004
PSY	1603	Developmental Psychology	PSYC 2312		2004
PSY/WS	3733	Psychology of Women			2009
SOCI	1013	Introduction to Sociology (GP)	SOCI 1301		2009
SOCI	1023	Current Social Problems	SOCI 1306		2009

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SOCI/SOWK	3483	Developing Societies (GP)		2009
SOWK	1403	Introduction to Social Policies and Services		2009
GOV/BUS/WS	3393	Law For Women		
HIST	2013	Survey of World Civilization to 1715 (GP)	HIST 2321	2004
HIST	2023	Survey of World Civilization since 1715 (GP)	HIST 2322	2004

<b>VI. Institutionally Designated Option (90)</b>		<b>2 courses (6 hours) required</b>			
<b>A. Multicultural Women's Studies</b>		<b>(1 course required)</b>		TCCNS	Approved

				TCCNS	Approved	Reviewed
ART /WS	3343	Women in the Visual Arts			Spring 2007	2009
BIOL /NURS /WS	3163	Evolving Woman			Spring 2007	2009
BUS/ WS	2803	Women in Business			Fall 2006	2009
DNCE/WS	3383	Dance, Gender and Culture			Spring 2007	2009
DRAM	3103	Gender, Theater, and Performance			Spring 2007	
EDUC/ WS	3013	Gender and Education			Spring 2007	2009
GOV /BUS /WS	3393	Law for Women			Spring 2006	2009
HS /WS	3133	Perspectives on Women's Health			Spring 2007	2009
MU /WS	3703	Women in Music			Spring 2006	
NURS	3143	Multicultural Women's Health			Spring 2007	
PHIL / WS	4033	Philosophy of Women & Western Religions			Spring 2007	
PSY /WS	3733	Psychology of Women			Spring 2007	2009
SOCI/WS	3213	Women's Roles			Fall 2007	2009
SOCI	1413	Culture, Inequality and Self			Spring 2007	2009
SOCI	3093	Racial and Ethnic Groups			Spring 2008	2009
WS	2013	Women: Images and Perspectives (GP)			Fall 2006	2009

<b>B. Other Institutional Option</b>		<b>(1 course required)</b>		TCCNS	Approved	Reviewed
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<b>Required:</b>	MATH	1013	Quantitative Literacy	MATH 1332 (or MATH 1333 in some cases)	Fall 2007	
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<b>VII. Core Competencies (Required for core completion)</b>				TCCNS	Approved	Reviewed
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<b>A. Computer Literacy</b>						
CSCI	1403	First Course Computing		COSC 1300 or COSC 1400		
CSCI	2433	Microcomputer Applications		BCIS 1301 or COSC 1301 or COSC 1401		
CSCI	3002	Advanced Computing Technology				

Note: Qualified students may be able to establish this competency through an exam administered in the Math and Technology Success Center.

<b>B. Oral Communication</b>				TCCNS	Approved	Reviewed
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SPCH	1013	Oral Communication	SPCH 1311	2004
BUS	3513	Presentation Strategies		
DRAM	3493	Theater Speech		
<b>For majors only:</b>				
BIOL	4681	Biology Seminar [BIOL majors only]	Spring 2007	
FS	4933	Practicum in Family Sciences [FS majors only]	Spring 2007	
FT	2403	Production Techniques [FT majors only]	Fall 2008	
FT	4033	Fashion Portfolio Development [FT majors only]	Fall 2008	
FT	4213	Seasonal Collections [FT majors only]	Fall 2008	
HS	2013	Health Communication [HS majors only]	Fall 2008	
KINS	1573/1583	Foundation of Assessment In Kinesiology [KINS majors only]	Spring 2007	
MU	2533	Music Theory IV [MU majors only]	Spring 2007	
MU	3323	History of Music II [MU majors only]	Spring 2007	
NURS	3005	Concepts and Clinical Competencies [NURS majors only]	Spring 2008	
NURS	4614	Community Health competencies [NURS majors only]	Spring 2007	
NURS	4806	Transition to Professional Nursing [NURS majors only]	Spring 2008	
OT	4033	Analysis of Persons, Tools & Occupation [OT majors only]	Spring 2008	
READ	4453	Reading Assessment & Instruction EC - 6 [Interdis majors only]	Fall 2008	
READ	4563	Reading Assessment & Instruction 4 - 8 [Interdis majors only]	Fall 2008	

**Community college courses for oral communication competency:**

SPCH	1311	Introduction to Speech Communication
SPCH	1315	Public Speaking
SPCH	1321	Business and Professional Communications