

## 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,
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
6. To develop the ability to research and write a documented paper and/or to give an oral presentation.

TWU		TCCNS	
ENG	1013	Composition I	ENGL 1301
ENG	1023	Composition II	ENGL 1302

### **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
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

TWU Course		TCCNS	
<b>Select one additional course from:</b>			
MATH	1023	Introduction to Mathematics II	MATH 1333
MATH	1303	Elementary Analysis I	MATH 1314
MATH	1313	Elementary Analysis II	MATH 1316
MATH	1703	Elementary Statistics I	MATH 1342
MATH	1713	Elementary Statistics II	MATH 2342
MATH	2014	Introductory Calculus I	MATH 2413
MATH	2024	Introductory Calculus II	MATH 2414

### **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.
2. To recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to
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  
 5. To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.

		TWU Course	TCCNS
BACT	1001	Microbiology Lab	BIOL 2120
BACT	1003	Microbiology	BIOL 2320
BIOL	1001	Biology for the 21st Century	
BIOL	1003	Biology for the 21st Century Lab	
BIOL	1011	Human Biology Lab	
BIOL	1012	Human Biology	
BIOL	1021	Environmental Biology Lab	BIOL 2106
BIOL	1022	Environmental Biology	BIOL 2206
BIOL	1111	Principles of Biology Lab	BIOL 1106
BIOL	1113	Principles of Biology	BIOL 1306
BIOL	1121	Principles of Biology Lab II	BIOL 1107
BIOL	1123	Principles of Biology II	BIOL 1307
CHEM	1011	Introductory Chemistry Lab	CHEM 1105
CHEM	1013	Introductory Chemistry	CHEM 1305
CHEM	1021	Intro to Organic and Physiol. Chem. Lab	CHEM 1107
CHEM	1023	Intro to Organic & Physiological Chem.	CHEM 1307
CHEM	1111	Chemical Principles Lab I	CHEM 1111
CHEM	1113	Chemical Principles I	CHEM 1311
CHEM	1121	Chemical Principles Lab II	CHEM 1112
CHEM	1123	Chemical Principles II	CHEM 1312
PHYS	1033	Introduction to Astronomy	PHYS 1311
PHYS	1133	Principles of Physics	PHYS 1301
PHYS	1131	Principles of Physics Lab	PHYS 1101
PHYS	1143	Principles of Physics II	PHYS 1302
PHYS	1141	Principles of Physics Lab II	PHYS 1102
PHYS	2153	General Physics	PHYS 2325
PHYS	2151	General Physics Lab I	PHYS 2125
PHYS	2163	General Physics II	PHYS 2326
PHYS	2161	General Physics and Lab II	PHYS 2126
SCI	1114	General Physical Science	PHYS 1315
SCI	1123	General Life Sciences	PHYS 1317
SCI	2103	Environmental Chemistry: Global Perspectives (GP)	
SCI	2113	Earth Science I	
SCI	2123	Earth Science II	

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

#### IV Humanities and Visual and Performing Arts (2 courses required)

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
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)

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

PHIL	3023	History of Medieval and Modern Philosophy	
PHIL	3043	Philosophy of Religion	
PHIL	3053	Ethics	
PHIL	3073	Bioethics	
PHIL/WS	3083	Ethics and Feminism	
Phil/WS	4033	Philosophy of Women & Western Religion	
PHIL	4043	American Philosophy	
PHIL	4053	Science and Religion	
SPAN	1013	Elementary Spanish	SPAN 1311
SPAN	1023	Elementary Spanish	SPAN 1312

**B. Visual and Performing Arts (50)**

		TWU Course	TCCNS
ART	1203	Two-Dimensional Color and Design	ARTS 1311
ART	1303	Basic Drawing	ARTS 1316
ART	1503	Introduction to Painting	
ART	1603	Introduction to Photography	ARTS 2356
ART	2503	History of Art: Ancient and Primitive	ARTS 1303
ART	2513	History of Art: Medieval	ARTS 1304
ART	2713	Understanding the Arts	ARTS 1301
ART	3053	Global Perspectives in Art (GP)	
ART	3303	North American Indian Art	
ART/WS	3343	Women in the Visual Arts	
ART	3373	The World of the Imagination in Art, Dance, and Film	
ART	3503	History of Art: Renaissance	
ART	3513	History of Art: 19th Century	
ART	3823	Ceramics: Hand Building	
ART	3833	Ceramics: Throwing	
ART	3843	Ceramics	
ART	4523	History of Art: 20th Century	
DNCE	1011	Introduction to Ballet	DANC 1141
DNCE	1051	Introduction to Modern Dance	DANC 1145
DNCE	1061	Introduction to Jazz Dance	DANC 1148
DNCE	1071	Introduction to Tap Dance	DANC 1111
DNCE	2393	Understanding the Arts: Dance	DANC 2304
DNCE	3143	World Dance Forms (GP)	DANC 1306
DNCE	3373	The World of the Imagination in Art, Dance, and Film	
DNCE/WS	3383	Dance, Gender, and Culture	

DNCE	3393	History of Dance	
DNCE	4383	Performing Arts in American Popular Culture	
DRAM	2493	Understanding The Arts	
DRAM	3103	Gender, theater, and Performance	
FL	2013	Mythology (GP)	
MU	2713	Understanding the Arts: Music	MUSI 1306
MU/WS	3703	Women In Music	
MU	3713	Music and World Cultures (GP)	

## V. Social and Behavioral Sciences

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

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

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

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

10. To analyze, critically assess, and develop creative solutions to public policy problems.
11. To recognize and assume one's responsibility as a citizen in a democratic society by learning to think for oneself, by engaging in public
12. To identify and understand differences and commonalities within diverse cultures.

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

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

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

SOCI/SOWK	3483	Developing Societies (GP)	
SOWK	1403	Introduction to Social Policies and Services	
GOV/BUS/WS	3393	Law For Women	
HIST	2013	Survey of World Civilization to 1715 (GP)	HIST 2321
HIST	2023	Survey of World Civilization since 1715 (GP)	HIST 2322
		TWU Course	TCCNS
GOV	2013	United States Government	GOVT 2305
GOV	2023	Texas Government	GOVT 2306

**VI. Institutionally Designated Option (90)****A. Multicultural Women's Studies (1 course required)**

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

**B. Other Institutional Option (1 course required)**

<b>Required:</b>	MATH	1013	Quantitative Literacy	MATH 1332 (or MATH 1333 in some cases)
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**VII. Core Competencies (Required for core completion)****A. Computer Literacy**

CSCI	1403	First Course Computing	COSC 1300 OR COSC 1400
CSCI	2433	Microcomputer Applications	BCIS 1301 OR COSC 1301 OF COSC 1401
CSCI	3002	Advanced Computing Technology	

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

**B. Oral Communication**

SPCH	1013	Oral Communication	SPCH 1311
BUS	3513	Presentation Strategies	
DRAM	3493	Theater Speech	
<b>For majors only:</b>			
BIOL	4681	Biology Seminar	[for BIOL majors only]
FS	4933	Practicum in Family Sciences	[for FS majors only]
FT	2403	Production Techniques	(for Fashion Design majors only)
FT	4033	Fashion Portfolio Development	(for Fashion Design majors only)
FT	4213	Seasonal Collections	(for Fashion Design majors only)
KINS	1573/1583	Foundation of Assessment In Kinesiology	[for KINS majors only]
MU	2533	Music Theory IV	[for MU majors only]
MU	3323	History of Music II	[for MU majors only]
NURS	3005	Concepts and Clinical Competencies	[for NURS majors only]
NURS	4614	Community Health competencies	[for NURS majors only]
NURS	4806	Transition to Professional Nursing	[for NURS majors only]
OT	4033	Analysis of Persons, Tools & Occupation	[for OT majors only]
READ	4463	Reading Assessment & Instruction EC - 6	(for Interdisciplinary Studies majors only)
READ	4563	Reading Assessment & Instruction 4 - 8	(for Interdisciplinary Studies majors only)

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

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