

**2009-2011 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.
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.

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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     |
| SCI  | 2123 | Earth Science II                                  |           |           | 2009     |
| SCI  | 2133 | Climate Change: A Human Perspective (GP)          |           | Fall 2009 |          |
| SCI  | 3153 | History of Modern Science: 21st Century* (GP)     |           | Fall 2006 |          |

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|      |      |                                  |           |      |
|------|------|----------------------------------|-----------|------|
| 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     |
| PHIL   | 3043 | Philosophy of Religion                    |           |          | 2004     |
| PHIL   | 3053 | Ethics                                    |           |          | 2004     |
| PHIL   | 3073 | Bioethics                                 |           |          | 2004     |

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|   |      |  |           |             |          |
|---|------|--|-----------|-------------|----------|
| 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 |          |
| 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)**

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 constitutions of the U.S. and Texas, federalism, civil liberties, and civil and human rights.
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     | 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)**

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 discourse, and by obtaining information through the news media and other appropriate information sources about politics and public policy.
12. 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)**

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     | 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     |

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|            |      |  |           |      |
|------------|------|--|-----------|------|
| SOCI       | 1013 | Introduction to Sociology (GP)               | SOCI 1301 | 2009 |
| SOCI       | 1023 | Current Social Problems                      | SOCI 1306 | 2009 |
| 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 |

**VI. Institutionally Designated Option (90) 2 courses (6 hours) required**

**A. Multicultural Women's Studies (1 course required)** 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 |
|                |      | Gender and Social Change: An Introduction to Multicultural- |  | Fall 2006   | 2009 |
| WS             | 2013 | Women's Studies (GP)  |  |             |      |

**B. Other Institutional Option (1 course required)** TCCNS Approved Reviewed

|                  |      |      |                       |  |           |
|------------------|------|------|-----------------------|--|-----------|
| <b>Required:</b> | MATH | 1013 | Quantitative Literacy | MATH 1332 (or<br>MATH 1333 in<br>some cases) | Fall 2007 |
|------------------|------|------|-----------------------|--|-----------|

**VII. Core Competencies (Required for core completion)** TCCNS Approved Reviewed

|                             |      |                               |  |  |  |
|-----------------------------|------|-------------------------------|--|--|--|
| <b>A. Computer Literacy</b> |      |                               |  |  |  |
| CSCI                        | 1403 | First Course Computing        | COSC 1300 or COSC<br>1400              |  |  |
| CSCI                        | 2433 | Microcomputer Applications    | BCIS 1301 or COSC<br>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. Oral Communication**

|      |      |                         |
|------|------|-------------------------|
| SPCH | 1013 | Oral Communication      |
| BUS  | 3513 | Presentation Strategies |
| DRAM | 3493 | Theater Speech          |

| TCCNS     | Approved | Reviewed |
|-----------|----------|----------|
| SPCH 1311 |          | 2004     |

**For majors only:**

|      |           |  |
|------|-----------|--|
| BIOL | 4681      | Biology Seminar [BIOL majors only]                             |
| FS   | 4933      | Practicum in Family Sciences [FS majors only]                  |
| FT   | 2403      | Production Techniques [FT majors only]                         |
| FT   | 4033      | Fashion Portfolio Development [FT majors only]                 |
| FT   | 4213      | Seasonal Collections [FT majors only]                          |
| HS   | 2013      | Health Communication [HS majors only]                          |
| KINS | 1573/1583 | Foundation of Assessment In Kinesiology [KINS majors only]     |
| MU   | 2533      | Music Theory IV [MU majors only]                               |
| MU   | 3323      | History of Music II [MU majors only]                           |
| NURS | 3005      | Concepts and Clinical Competencies [NURS majors only]          |
| NURS | 4614      | Community Health competencies [NURS majors only]               |
| NURS | 4806      | Transition to Professional Nursing [NURS majors only]          |
| OT   | 4033      | Analysis of Persons, Tools & Occupation [OT majors only]       |
| READ | 4453      | Reading Assessment & Instruction EC - 6 [Interdis majors only] |
| READ | 4563      | Reading Assessment & Instruction 4 - 8 [Interdis majors only]  |

| TCCNS | Approved    | Reviewed |
|-------|-------------|----------|
|       | Spring 2007 |          |
|       | Spring 2007 |          |
|       | Spring 2007 |          |
|       | Fall 2008   |          |
|       | Fall 2008   |          |
|       | Fall 2008   |          |
|       | Fall 2008   |          |
|       | Spring 2007 |          |
|       | Spring 2007 |          |
|       | Spring 2007 |          |
|       | Spring 2008 |          |
|       | Spring 2007 |          |
|       | Spring 2008 |          |
|       | Spring 2008 |          |
|       | Fall 2008   |          |
|       | 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 |