

DCCCD Core Area Exemplary Educational Objectives

COMMUNICATION, COMPOSITION, SPEECH, MODERN LANGUAGE

The objective of a communication component of a core curriculum is to enable the student to communicate effectively in clear and correct prose in a style appropriate to the subject, occasion, and audience.

LIST OF ALL COURSES RECOMMENDED AND IDENTIFIED OBJECTIVES

Objectives							Course Number	Course Title
1	2	3	4	5	6			
X	X	X	X	X			ENGL 1301	Composition I
X	X	X	X	X	X		ENGL 1302	Composition II
X			X				1311	Beginning Chinese/French/German/Japanese/ Portuguese/Spanish/Vietnamese
X			X				1411	Beginning Chinese/French/German/Italian/Japanese/ Portuguese/Russian/Spanish/Vietnamese
X			X				1412	Beginning Chinese/French/German/Italian/Japanese/ Portuguese/Russian/Spanish/Vietnamese
X			X				2311	Beginning Chinese/French/German/Italian/Japanese/ Portuguese/Russian/Spanish/Vietnamese
X			X				2312	Beginning Chinese/French/German/Italian/Japanese/ Portuguese/Russian/Spanish/Vietnamese
X	X	X	X	X	X		SPCH 1311	Introduction to Speech Communication
X	X	X	X	X	X		SPCH 1315	Fundamentals of Public Speaking

EXEMPLARY EDUCATIONAL OBJECTIVES

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

5 – To understand and apply basic principles of critical thinking, problem solving, and technical proficiency in the development of exposition and argument.

4 – To participate effectively in groups with emphasis on listening, critical and reflective thinking, and responding.

3 – To understand and appropriately apply modes of expression, i.e., descriptive, expository, narrative, scientific, and self-expressive, in written, visual, and oral communication.

2 – To understand the importance of specifying audience and purpose and to select appropriate communication choices.

1 – To understand and demonstrate writing and speaking processes through invention, organization, drafting, revision, editing, and presentation.

MATHEMATICS

The objective of the mathematics component of the core curriculum is to develop a quantitatively literate college graduate. Every college graduate should be able to apply basic mathematical tools in the solution of real-world problems.

LIST OF ALL COURSES RECOMMENDED AND IDENTIFIED OBJECTIVES

Objectives							Course Number	Course Title
1	2	3	4	5	6	7		
X	X	X	X	X	X	X	MATH 1314/1414	College Algebra
X	X	X	X	X	X	X	MATH 1324	Mathematics for Business
							MATH 1316	Plane Trigonometry
X	X	X	X	X	X	X	MATH 1332	College Mathematics I
X	X	X	X	X	X	X	MATH 1333	College Mathematics II
							MATH 1348	Analytic Geometry
							MATH 1325/1425	Business Mathematics with Applications
							MATH 2305	Discrete Mathematics
							MATH 2412	Precalculus
							MATH 2414	Calculus II
							MATH 2318/2418	Linear Algebra
							MATH 2320/2420	Differential Equations
X	X	X	X	X	X	X	MATH 2342/2442	Introductory Statistics
							MATH 2513	Calculus I
							MATH 2315	Calculus III

EXEMPLARY EDUCATIONAL OBJECTIVES

7 – To develop the view that mathematics is an evolving discipline, interrelated with human culture, and understanding its connections to other disciplines.

6 – To recognize the limitations of mathematical and statistical models.

5 – To interpret mathematical models such as formulas, graphs, tables and schematics, and draw inferences from them.

4 – To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.

3 – To expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments.

2 – To represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically.

1 – To apply arithmetic, algebraic, geometric, higher-order thinking, and statistical methods to modeling and solving real-world situations.

NATURAL SCIENCES

The objective of the study of a natural sciences component of a core curriculum is to enable the student to understand, construct, and evaluate relationships in the natural sciences, and to enable the student to understand the bases for building and testing theories.

LIST OF ALL COURSES RECOMMENDED AND IDENTIFIED OBJECTIVES

Objectives					Course Number	Course Title
1	2	3	4	5		
X	X	X	X	X	BIOL 1406	General Biology
X	X	X	X	X	BIOL 1407	General Biology
X	X	X	X	X	BIOL 1408	Biological Science
X	X	X	X	X	BIOL 1409	Biological Science
X	X	X	X	X	CHEM 1405	Introductory Chemistry I
X	X	X	X	X	CHEM 1407	Introductory Chemistry II
X	X	X	X	X	CHEM 1411	General Chemistry I
X	X	X	X	X	CHEM 1412	General Chemistry II
X	X	X	X	X	GEOL 1401	Earth Science
X	X	X	X	X	GEOL 1403	Physical Geology
X	X	X	X	X	GEOL 1404	Historical Geology
X	X	X	X	X	GEOL 1445	Oceanography
X	X	X	X	X	PHYS 1401	Introductory General Physics
X	X	X	X	X	PHYS 1402	Introductory General Physics
X	X	X	X	X	PHYS 1405	Concepts in Physics
X	X	X	X	X	PHYS 1407	Concepts in Physics
X	X	X	X	X	PHYS 1411	Fundamentals of Astronomy
X	X	X	X	X	PHYS 1412	General Introductory Astronomy
X	X	X	X	X	PHYS 1415	Physical Science
X	X	X	X	X	PHYS 1417	Physical Science
X	X	X	X	X	PHYS 2425	General Physics
X	X	X	X	X	PHYS 2426	General Physics

EXEMPLARY EDUCATIONAL OBJECTIVES

5 – To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.

4 – To demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies.

3 – To identify and recognize the differences among competing scientific theories.

2 – To recognize scientific and quantitative methods and the differences between these approaches and the other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.

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

SOCIAL AND BEHAVIORAL SCIENCES

The objective of a social and behavioral science component is to increase student's knowledge of how social and behavioral scientists discover, describe, and explain the behaviors and interactions among individuals, groups, institutions, events, and ideas. Such knowledge will better equip students to understand themselves and the roles they play in addressing the issues facing humanity.

LIST OF ALL COURSES RECOMMENDED AND IDENTIFIED OBJECTIVES

Objectives												Course Number	Course Title	
1	2	3	4	5	6	7	8	9	10	11	12			
	X	X		X			X	X			X	X	ANTH 2346	Intro to Anthropology
	X	X	X	X			X	X			X	X	ANTH 2351	Intro to Cultural Anthropology
X	X	X	X		X	X	X	X	X	X		X	ECON 1303	Economics of Social Issues
X	X	X	X		X	X	X	X	X	X		X	ECON 2301	Principles of Economics I
X	X	X	X		X	X	X	X	X	X		X	ECON 2302	Principles of Economics II
X	X	X	X		X	X	X	X	X	X		X	ECON 2311	Economics of Global Issues
			X	X	X	X			X	X	X	X	GOVT 2301	American Government
			X	X	X	X			X	X	X	X	GOVT 2302	American Government
	X		X			X	X	X			X	X	HIST 1301	History of the United States
	X		X			X	X	X			X	X	HIST 1302	History of the United States
X		X	X								X	X	PSYC 2301	Introduction to Psychology
X		X	X								X	X	PSYC 2314	Developmental Psychology
X		X	X								X	X	PSYC 2316	Psychology of Personality
	X	X								X	X	X	SOCI 1301	Introduction to Sociology
	X	X					X		X	X		X	SOCI 1306	Social Problems
		X		X						X	X	X	SOCI 2319	Race, Ethnicity and Community
Exemplary Educational Objectives														
12 – To identify and understand differences and commonalities within diverse cultures.														
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.														
10 – To analyze , critically assess, and develop creative solutions to public policy problems.														
9 – To recognize and apply reasonable criteria for the acceptability of historical evidence and social research.														
8 – To differentiate and analyze historical evidence (documentary and statistical) and differing points of view.														
7 – To understand the evolution and current role of the U.S. in the world.														
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.														
5 – To analyze the effects of historical, social, political, economic, cultural, and global forces on the area under study.														
4 – To develop and communicate alternative explanations or solutions for contemporary social issues.														
3 – To use and critique alternative explanatory systems or theories.														
2 – To examine social institutions and processes across a range of historical periods, social structures, and cultures.														
1 – To employ the appropriate methods, technologies, and data that social and behavioral scientists use to investigate the human condition.														

HUMANITIES AND VISUAL AND PERFORMING ARTS

The objective of the humanities and visual and performing arts in a core curriculum is to expand students' knowledge of the human condition and human cultures, especially in relation to behaviors, ideas, and values expressed in works of human imagination and thought. Through study in disciplines such as literature, philosophy, and the visual and performing arts, students will engage in critical analysis, form aesthetic judgments, and develop an appreciation of the arts and humanities as fundamental to the health and survival of any society. Students should have experiences in both the arts and humanities.

Objectives							Course Number	Course Title
1	2	3	4	5	6	7		
X	X	X	X	X	X	X	ARTS 1301	Art Appreciation
X	X	X	X	X	X	X	ARTS 1303	Survey of Art History I
X	X	X	X	X	X	X	ARTS 1304	Survey of Art History II
	X					X	CULT 2370	Cultural Studies
X	X	X	X	X	X	X	DANC 2303	Dance Appreciation
X	X		X	X			DRAM 1310	Introduction to Theatre
X	X			X		X	DRAM 2366	Development of the Motion Pictures
X	X	X		X	X	X	ENGL 2321	British Literature
X	X	X		X	X	X	ENGL 2322	British Literature
X	X	X		X	X	X	ENGL 2323	British Literature
X	X	X		X	X	X	ENGL 2326	American Literature
X	X	X		X	X	X	ENGL 2327	American Literature
X	X	X		X	X	X	ENGL 2328	American Literature
X	X	X		X	X	X	ENGL 2331	World Literature
X	X	X		X	X	X	ENGL 2332	World Literature
X	X	X		X	X	X	ENGL 2333	World Literature
	X					X	HIST 2321	World Civilizations
	X					X	HIST 2322	World Civilizations
X	X					X	HIST 2380	Heritage of Mexico
X	X			X		X	HIST 2381	African-American History
X	X	X		X	X	X	HUMA 1301	Introduction to the Humanities
X	X	X	X	X	X	X	MUSI 1306	Music Appreciation
X	X	X	X	X	X	X	MUSI 1308	Music Literature
X	X	X	X	X	X	X	MUSI 1309	Music Literature
X	X	X		X		X	PHIL 1301	Introduction to Philosophy
X	X	X		X		X	PHIL 2306	Ethics
X	X	X		X		X	PHIL 2307	Social and Political Philosophy
X	X	X		X		X	PHIL 2316	History of Ancient Philosophy
X	X	X		X		X	PHIL 2317	History of Modern Philosophy
X	X	X		X		X	RELI 1304	Major World Religions
							7 – To demonstrate knowledge of the influence of literature, philosophy, and/or the arts on intercultural experiences.	
							6 –To develop an appreciation for the aesthetic principles that guide or govern the humanities and arts.	
							5 – To articulate an informed personal reaction 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.	
							3 – To respond critically to works in the arts and humanities.	
							2 – To understand those works as expressions of individual and human values within an historical and social context.	
							1 – To demonstrate awareness of the scope and variety of works in the arts and humanities.	

**Core Area Exemplary Educational Objectives
INSTITUTIONAL OPTIONS – COMPUTER SCIENCE**

Core Area: Computer Literacy									
<i>The objective of a computer literacy component of a core curriculum is to enable the student to explain basic concepts and vocabulary of computer information systems; describe the role and functions of software and systems in meeting the needs of organizations; discuss the impact of computer technology on society; and demonstrate a basic functional knowledge of network resources, operating systems/environments, word processing, spreadsheets, databases, while using a microcomputer to solve specific problems.</i>									
LIST OF ALL COURSES RECOMMENDED AND IDENTIFIED OBJECTIVES									
Objectives						Course Number		Course Title	
1	2	3	4	5	6				
X	X	X	X	X	X			COSC 1300	Computer Literacy
X				X	X			COSC 1315	Computer Science I
X	X	X	X	X	X			COSC 1401	Microcomputer Concepts and Applications
X				X	X			COSC 1415	Introduction to Computer Science and Programming
EXEMPLARY EDUCATIONAL OBJECTIVES									
6 – To create quantitative and qualitative data presentations..									
5 – To gather information for decision making.									
4 – To participate in Global communities making full use of available technology.									
3 – To demonstrate knowledge of the impact of technology on the individual's privacy, security, lifestyle, work environment, standard of living, and health.									
2 – To evaluate the effects and implications of computers and communication technology on society.									
1 – To discuss computer and communications terminology.									

INSTITUTIONAL OPTIONS - WELLNESS

Core Area: Computer Literacy									
<i>The objective of a computer literacy component of a core curriculum is to enable the student to explain basic concepts and vocabulary of computer information systems; describe the role and functions of software and systems in meeting the needs of organizations; discuss the impact of computer technology on society; and demonstrate a basic functional knowledge of network resources, operating systems/environments, word processing, spreadsheets, databases, while using a microcomputer to solve specific problems.</i>									
LIST OF ALL COURSES RECOMMENDED AND IDENTIFIED OBJECTIVES									
Objectives						Course Number		Course Title	
1	2	3	4	5	6				
X	X	X	X	X	X			PHED 1164	Beginning Physical Fitness
EXEMPLARY EDUCATIONAL OBJECTIVES									
6 – To demonstrate an understanding of basic nutrition principles, weight control, injury prevention and stress management..									
5 – To identify methods and techniques for attaining lifelong fitness and wellness									
4 – To understand the contribution of physical activity to overall physical, social, mental and emotional well being.									
3 – To describe the relationship and the interaction of lifestyle and disease and the major issues that affect our health and wellness.									
2 – To develop. plans for, and to demonstrate active participation in a personal fitness program for improvement in fitness levels and health behaviors.									
1 – To evaluate personal fitness levels and health behaviors within the parameters of fitness components.									