



John H. Hoffman
Professor of Physics

THE UNIVERSITY OF TEXAS AT DALLAS

PHYSICS DEPARTMENT

P. O. Box 830688 MS FO22 Richardson, Texas 75083-0688
2601 N. Floyd Road, Richardson Texas 75080
(972) 883-2846 FAX (972) 883-2848
Email: jhoffman@utdallas.edu

MEMORANDUM

RECEIVED

NOV 22 2002

Office of Executive
Vice President & Provost

November 20, 2002

To: Ms. Sandy Goertzen
From: John H. Hoffman 
Re: Core Curriculum Committee Report for 2001-2002

Attached is the report of the Core Curriculum Committee for the Academic year 2001-2002.
I have sent a copy to Murray Leaf.

Core Curriculum Committee Report
Academic Year 2001-2002
John H. Hoffman, Chair

The Core Curriculum Committee met several times throughout the year to review and approve courses to be included in the Core Curriculum.

Approval of Courses

Dr. Ervin Fenyves, Professor of Physics, brought two courses to the committee requesting they be allowed to contribute to the science core curriculum requirements at UTD. The courses were ISNS 4V81-001--Future Energy Sources and ISNS 4V81-002 --History of Modern Physics. The Committee unanimously approved these courses and requested that the syllabi be amended to reflect mid-term grade dates. Beginning in Fall 2002, these courses will be taught under specific ISNS course numbers.

Dr. John Hoffman, representing Dr. Homer Montgomery, proposed the Committee consider NATS 3330—The Basis of Evolution and NATS 3130—Evolution Field Laboratory as acceptable courses for the science core curriculum component. The Committee requested that the course requirements be amended for NATS 3330 so that the voluntary one class meeting per week is made mandatory. The Committee then voted unanimously to approve the course.

Dr. Clay Reynolds requested that the Committee approve AP 3320—Art in Historical Context: Michelangelo and Bernini as a course acceptable for meeting the Art requirement in the core curriculum. The Committee requested that the instructor provide a more in-depth syllabus and reminded Dr. Reynolds that all AP 3320 topics required committee approval. Dr. Sarah Spreda was then asked to reformat the master core curriculum list to better illustrate specific titles approved for topics courses.

Dr. Reynolds also discussed the need to have four previously tabled upper-level history courses approved by the Committee. After lengthy discussion the Committee tabled the issue. Dr. Reynolds informed the Committee that the School of Arts and Humanities will revise all the history course offerings, including prerequisites, and changes of level of some of the courses and would submit the revised program to the Committee next year.

The Committee also approved two Geosciences courses, GEOS 2305, Water Resources of the Southwest and GEOS 3334, Remote Sensing as core courses in Science.

Transfer Credit Issues

A number of transfer credit issues were brought to the Committee by Judy Thompson of the Enrollment Services office:

Ms. Thompson explained that Math 1350 and Math 1351 are classes taken at the community college by some of our students. The Committee felt that since both of these courses have college algebra as a prerequisite, they should be allowed to transfer to UTD for college credit. College Algebra, which meets the first three hours of UTD's core

curriculum requirement, is a prerequisite for both classes and the Committee felt that Math 1350 and Math 1351 could be used to meet the second three-hour requirement by students whose degrees required no higher level of mathematics.

The Committee also discussed Math 1332 and Math 1333—College Mathematics I & II. These courses were not considered to satisfy UTD's core math curriculum requirements since they do not have college algebra as a prerequisite.

Dallas County Community College uses Huma 1301 to fulfill the art requirement of the arts and humanities component while UTD uses this course to fulfill the humanities requirement. The committee decided that Huma 1301, when transferred from DCCCD, can be used to meet the art requirement of the arts and humanities core component but not the humanities requirement. The committee requested that Judy Thompson communicate this decision to the appropriate officials at Dallas County Community College.

Ms. Thompson asked that the committee consider accepting several TECA and CDEC courses as transfer credit. The university currently does not accept these courses because they are classified as WECM classes. The committee asked that Dean Fair review these elementary education field of study courses and make a recommendation to the committee regarding their approval.

There was an extensive discussion about transfer students being core component complete. The consensus of the Committee was that when a student transfers as "core complete" in a component with a smaller number of semester credit hours than the corresponding component requirement at UTD, the student is not considered to be component complete at UTD unless the transfer student is core complete in all components. For example, a DCCCD student who transfers to TUD having met the math component requirement of three semester hours is not considered component complete at UTD. Even when the component hours at the sending institutions are equal or greater than UTD's requirements, each transfer course must be judged acceptable by UTD. For example, a DCCCD student who transfers in with Math 1332 and Math 1333 will have six hours of mathematics and be considered component complete at the sending institution, but neither class will contribute to the math core component at UTD.

UTD Core Curriculum: 42 hours

The requirements for satisfying the core curriculum at UTD are given below. There are 5 categories of subject material which are described with the required credit hours indicated.

A copy of the complete list of core courses is attached.

A. Communication (6 hours)

English Rhetoric and Composition (6 hours): At least one course that requires student to learn to communicate effectively in clear and correct prose and to master several modes of writing, including descriptive, expository, narrative and self-expressive. Other courses may require students to master more specific forms of writing tailored to the professional standards in their major field of study. All courses require that students write, received detailed feedback about, and revise at least 15 double-spaced pages.

B. Mathematics and Quantitative Methods (6 hours)

College Math (3 hours): Requires students to master the formal principles of algebra or calculus at a level higher than high school algebra II.

Quantitative Methods (3 hours): Requires students to master logical reasoning and inference; the application of mathematical concepts; statistical methods; or formal principles of algebra, calculus or advanced mathematics beyond the College Math requirement.

C. Natural Science (9 hours)

Science (9 hours): Introductory or foundations-level treatment of fields of inquiry in the natural sciences.

Laboratory Science: At least one course must have a substantial laboratory component.

D. Humanities and Fine Arts (6hours)

Visual and Performing Arts (3 hours): Introductory or foundations-level treatment of one or more of the visual or performing arts.

Humanities (3 hours): Introductory or foundations-level treatment of literature, philosophy, cultural studies, modern language or classic language.

E. Social and Behavioral Sciences (15 hours)

U.S. and Texas History (6 hours): Courses in United States and Texas history that satisfy state law.

U.S. and Texas Government and Politics (6 hours): Courses that satisfy state law requiring 6 semester hours or the equivalent in government or political science that include consideration of the Constitution of the United States and the constitutions of the states, with special emphasis on the Texas Constitution.

Social and Behavioral Science (3 hours): Introductory- or foundation-level treatments of any one or combination of topic areas dealing with the scientific inquiry of human behavior and social systems at the level of individuals, groups, societies, political systems, economic systems, management systems or cultures. Approaches topics from a scientific perspective rather than a historical, philosophical, or applications perspective.

Master List

Communication 6 hrs: 3 hrs Comp & Rhetoric/ 3 hrs Comp Elective

RHET 1302	Composition and Rhetoric	none	none
RHET 1300	Introductory Rhetoric	A&H 3300 BA 4305 BIO 3V90 BIO 3V91 BIO 4337 BIO 4352 BIO 4V99 BIS 3320 CGS 3340 CHM 4V91 CJS 3301 GOVT 3322 GOVT 3325 NATS 4310 NSC 4353 PA 3310 PHYS 4399 PHYS 4V10 PSY 3393 SPAU 3390 EE 3390 EE 4380 EE 4381 EE 4383 TE 4380 CS3390	Reading and Writing Text Social and Political Environments of Business Readings in Biology Undergraduate Research in Biology Seminal Papers in Biology Medical Applications of Cell Biology Senior Honors Research in Biology Nature of Intellectual Inquiry Empirical Methods in Cognitive Science Research in Chemistry Theories of Justice Constitutional Law American Public Policy Advanced Writing in NS&M Neuroscience Laboratory Methods Public Administration Honors Thesis in Physics Honors Writing Experimental Projects Clinical Practicum in Speech-Lang. Pathology Technical and Professional Communication Microprocessor Design Project Mobile Com. Systems Design Project Individually Supervised Senior Design Project Senior Design Project Professional & Technical Communication

Mathematics and Quantitative Methods 6 hrs

020 & 021 3 hrs College Math	MATH 1300 MATH 1306 MATH 1314 MATH 1325 MATH 2417 MATH 2312	Computerized Algebra Algebra for the Non-Scientist College Algebra Applied Calculus I Calculus I Pre-calculus	none	None
020 & 021 3 hrs College Math Quantitative	MATH 1326 MATH 2419 PSY 2317 STAT 1342	Applied Calculus II Calculus II Statistics for Psychology Statistical Decision Making	SOC 3303 STAT 3332 STAT 3360	Introduction to Social Statistics Statistics for Life Sciences Prob And Stat. For Management and Economics

Science 9 hrs

030 & 031 Including one laboratory course*				
	BIO 1200 BIO 1300 BIO 1318 BIO 1320 BIO 2281 BIO 2301/2101 BIO 2302/2102 BIO 2V00 CGS 2301 CHM 1311/1111 CHM 1312/1112 GEOS 1303/1103 GEOS 1304/1104 GEOS/GEOS 2302 GEOS 2409 GEOS 2410 NATS 1311/1111 NATS 2371 PHYS 1301/1101 PHYS 1302/1102 PHYS 2325/2125 PHYS 2326/2126	Issues in Biotechnology Body Systems /Lab* Human Genetics The Microbial World /Lab* Introductory Biology Lab* Intro to Modern Biology I (no lab) Intro to Modern Biology II (no lab) Issues in Biotech. Lab* (this title only) Cognitive science General Chemistry I /Lab* General Chemistry II /Lab* Physical Geology /Lab* Intro to Earth History /Lab* The Global Environment Rocks and Minerals /Lab* Gemstones /Lab* From the Cosmos to Earth /Lab* The Physical World College Physics I /Lab* College Physics II /Lab* Mechanics and Heat /Lab* Electromag. and Waves /Lab*	BIO 3351 BIO 3352 BIO 3318 BIO 3455 BIO 3456 BIO 3350 BIO 3V00 BIO 3V40 GEOS 3101 GEOS 3332/3132 GEOS 3310/3110 GEOS 3350 GEOS 3401 GEOS 3432 GEOS 4301 ISGS 4305 ISGS 4308 ISNS 3367 ISNS 3368 ISNS 4359 ISNS 4371 ISNS 4373 NATS 4173 NSC/PSY 4352 NSC/PSY 4353 NSC 4361 PHYS 3341/2125 PHYS 3342/2125 PSY 3364 SPAU 3344	Secrets of Cells (Fall 2002) The Genetic Revolution (Fall 2002) Forensic Biology Human Anatomy and Physiology I /Lab* Human Anatomy and Physiology II /Lab* Biological Basis of Health and Disease Topics in Biological Sciences: The Genetic Revolution Topics in Molecular and Cell Biology: Secrets of the Cell Mini-Courses: Coral Reefs: Deserts, Dunes & Dust; Geologic Time, Geology Refutes Creationism; Glaciers; Global Climate Change; Gems of the World (or other titles offered under this course number) Age of Dinosaurs /Lab* Environmental Geology /Lab* Global Change Oceanography /Lab* Introduction to Fossils /Lab* Geologic Environment of the Metroplex Humans: Our Place in Nature Bones, Bodies and Disease The Oceans Weather and Climate Earthquakes and Volcanoes The Phenomena of Nature: Forces, Gases ... Our Nearest Neighbors in the Sky Astronomy /Lab* Cellular Neuroscience Integrative Neuroscience Behavioral Neuroscience Physics for BioScience I /Lab* Physics for BioScience II /Lab* Animal Communication Anatomy and Phys. of Speech and Hearing

Humanities and Fine Arts 6 hrs

040 3 hrs Humanities	A&H 1301	Exploration of the Humanities	AMS 3300 American Popular Culture HST 3321 History of Philosophy I HST 3322 History of Philosophy II HST 4305 Ideas and Their History: All other Titles LIT 3300 Western Literary Tradition LIT 3310 Studies in Epic and Romance: All Titles LIT 3311 The Literature of Fantasy: All Titles LIT 3312 Studies in Prose Narrative: All Titles LIT 3313 Studies in Dramatic Literature: All Titles LIT 3314 Studies in Poetry: All Titles LIT 3341 Studies in Mythology LIT 3342 Literature of the Bible LIT 3350 Readings in World Literature in Transition A&H 4370 Mythologizing Kennedy	Pioneers of Modern Art Art in Historical Context: Topics Vary Art in Historical Context: American Art & Artists Art in Historical Context: The Art of Greece & Rome Film in Historical Context: Topics Vary Film in Historical Context: The Art Film Music in Historical Context: Topics Vary Music in Historical Context: History of Jazz Theater in historical Context: Modern theater Understanding Art The Nature and Experience of Film: Topics vary The Nature and Experience of Film: Intro to Film Understanding Music: Jazz Nature of the Theatrical Experience: Topics vary Nature of the Theatrical Experience: History of Dance The Creative Process Topics in Film: The American Film Musical Fundamentals of Music
050 3 hrs Visual and Performing Arts	AP 1301 AP 2310 AP 2311	Exploration of the Arts Survey of Art History: Ancient to Medieval Survey of Art History: Renaissance to Modern	AP 3317 AP 3320 AP 3320 AP 3320 AP 3321 AP3321 AP 3322 AP 3322 AP 3323 AP 3331 AP 3332 AP 3332 AP 3333 AP 3334 AP 3334 AP 3335 AP 3342 AP 3343	

Social and Behavioral Sciences 15 hrs

060 6 hrs US and Texas History	HST 1301 HST 2301	Themes and Ideas in American History Issues in American History	HST 3363 HST 3364 HST 3365 HST 3366 HST 3368 HST 3369 HST 3370 HST 3371 HST 3372 HST 3374 HST 3376 HST 3377 HST 3379 HST 3380 HST 3382 HST 3384 HST 3385 HST 3395 HST 3390 HST 4360 HST 4377 HST 4378	History of Texas History of American Religion Reading in Texas History Themes in the Social History of the U.S. Slavery and Race Relations in the U.S. United States Foreign Relations The American Experience in Vietnam Twentieth-Century American Culture Development of American Urban Society American Technological Development American Intel. History, Colonial to Civil War American Intel. History, Civil War to Present United States Relations with Latin America The Nuclear Age in America The United States Since 1945 U.S. Women for Settlement to Present Early African-American History Native Americans in the Nineteenth Century Twentieth-Century African-American History Topics I American Women's History Topics in Early American History Topics in American History
070 6 hrs US and Texas Govt/Politics	GOVT 2301 GOVT 2302	Const & Pol Beh, US and Texas Political Inst in US & Texas	none	None

080 3 hrs Social and Behavioral Sciences	ECO 2301 ECO 2302 GEOG 2301 GST/SOC 2300 PSY 1390 PSY 2301 SOC 1301 SOC 2319	Macroeconomics Microeconomics Social Relations and Spatial Org. Introduction to Gender Studies Journey of Life Introduction to Psychology Introduction to Sociology Race, Gender and Class	AMS 4384 BA 3361 CJS 3303 CJS 3361 GEOG 3370/ECON 3370 GST 3300/SOC 3350 ISGS 4338 ISSS 3360 PSY 3331 PSY 3334 PSY 3338 PSY 4332 PSY 4334	Intro to North American Archaeology Organizational Behavior Criminal Justice Crime and Justice Policy The Global Economy Gender Theories and Methods Native American Cultures Politics & Values in Business and Technology Social Psychology Psychology of Gender Adolescence Psychology in the Workplace Lifespan Development
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