Troy University Undergraduate Academic Council Minutes
January 15, 2014
Meeting location: 336 Wallace Hall with additional locations by VTEL .

Call to Order
UGAC Chair Karen Ross called the meeting to order at 3:05 p.m. Jo Ann Smith called the roll.

Voting Members Present- Scout Blum, Ruth Busby, Debra Hunter, Meg Milligan, Ivan Merritt, Rodger Morrison, Festus Ndeh, Marty Olliff, Ron Shehane, Sam Shelton, Jana Slay, Feng Sun, Shellye Vardaman, and Cynthia Hicks.

Voting members absent- Phillip Mixon

Guest attending— Govind Menon, Jeff Rush, Janet Gaston, Steve Ramroop, Hank Findley, Lorraine Magrath, Scott Beaulier, Bill Hamby, Frank Hammonds,

Approval of November minutes:

Motion was made by Rodger Morrison to accept the November minutes.

Seconded by Scout Blum.

Motion passed.

Approval of Agenda

Motion was made by Shellye Vardaman to accept the agenda.

Seconded by Ivan Merritt.

Motion passed.

Legend: **New Courses**
Revised Courses /Majors/Minors
Renumbered Courses
New Majors or Minors
Eliminated Courses

COLLEGE OF ARTS AND SCIENCES

1. **Govind Menon discussed the removal of the General Physics sequence from the Physics Minor.**

Current Physics Minor (19 hours)		
PHY 3310	(3)	Modern Physics
PHY L310	(1)	Modern Physics Lab
PHY 4420	(3)	Mechanics
Select one series:		
PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics I Lab
PHY 2253	(3)	General Physics II
PHY L253	(1)	General Physics II Lab

Proposed Physics Minor (19 hours)		
PHY 2262	(3)	Physics I w/Calculus
PHY L262	(1)	Physics I w/Calculus Lab
PHY 2263	(3)	Physics II w/Calculus
PHY L263	(1)	Physics II w/Calculus Lab
PHY 3310	(3)	Modern Physics
PHY L310	(1)	Modern Physics Lab
Select an additional seven hours of advisor-approved, upper level physics courses.		

OR

PHY 2262 (3)	Physics I Calculus
PHY L262 (1)	Physics I with Calculus Lab
PHY 2263 (3)	Physics II with Calculus
PHY L263 (1)	Physics II with Calculus Lab

Select an additional four hours of adviser-approved Upper level physics courses.

Motion was made by Scout Blum to accept the removal of the General Physics sequence from the Physics Minor.

Second was made by Feng Sun.

Motion passed.

2. Govind Menon discussed the changes to Physics Major.

PHYSICS MAJOR (36 Hours)

Area V (~~18~~ 23 Hours)

TROY 1101	(1)	University Orientation
IS 2241 (3)		Computer Concepts & Applications
CS 2250 (3)		Computer Science I
MTH 1126	(4)	Calculus II
~~MTH 2227~~	~~(3)~~	~~Calculus III~~
PHY 2262	(3)	Physics I w/Calculus
PHY L262	(1)	Physics I w/Calculus Lab

Select ~~2~~ 11 of additional electives to complete Area V.

Required courses (~~20~~26 Hours)

~~MTH 3364~~	~~(3)~~	~~Vector Calculus~~
PHY 2263	(3)	Physics II w/Calculus
PHY L263	(1)	Physics II w/Calculus Lab
PHY 3310	(3)	Modern Physics
PHY L310	(1)	Modern Physics Lab
PHY 3320	(3)	Mathematical Methods for Physicists
PHY 3325	(3)	Thermodynamics
PHY 4420	(3)	Mechanics
PHY 4435	(3)	Electricity & Magnetism
PHY 4445	(3)	Quantum Mechanics I
PHY 4472	(3)	Equations of Mathematical Physics

Select a minimum of ~~16~~10 semester hours from the courses listed below:

~~PHY 3320~~	~~(3)~~	~~Mathematical Methods for Physicists~~
PHY 3459	(3)	Optics
PHY L349	(1)	Optics Lab
~~PHY 4411~~	~~(3)~~	~~Advanced Modern Physics~~
PHY 4430	(3)	Electromagnetic Fields
PHY 4440	(3)	Dynamics of Particles & Systems
PHY 4446	(3)	Quantum Mechanics II
PHY 4460	(3)	Special Relativity
PHY 4470	(3)	Nuclear Physics
~~PHY 4472~~	~~(3)~~	~~Equations of Mathematical Physics~~
PHY 4475	(3)	Particle Physics

PHY 4478	(3)	Intro to General Relativity
PHY 4480	(3)	Black Holes & Cosmology
PHY 4482	(3)	Introduction to String Theory
PHY 4495	(3)	Topics in Physics
PHY 4491-92	(3)	Guided Independent Research
PHY 4493-94	(3)	Guided Independent Study
SCI 3336 (3)	Principles of Astronomy	
SCI L336(1)	Observational Astronomy Lab	

Select any minor offered by Troy University (18 Hours)

Motion was made by Rodger Morrison to accept the changes to the Physics Major *with the exception of IS 2241.*

Second was made by Festus Ndeh.

Motion passed.

1. **Govind Menon discussed the changes in course descriptions/prerequisites within the Physics course inventory.**

PHY 2262 **Physics I with Calculus (3)**
~~Principles and laws of mechanics and thermodynamics, utilizing the methods of calculus.~~ Introduction to the principles and laws of mechanics and thermodynamics, utilizing the methods of calculus.
Corequisite: MTH 1125 or higher math course, PHY L262

PHY L262 **Physics I with Calculus Lab (1)**
Laboratory work emphasizes basic principles of mechanics and thermodynamics ~~and mechanics~~, the use of measuring instruments, and the interpretation of data. *Corequisite: PHY 2262.*

PHY 2263 **Physics II with Calculus (3)**
Introduction to the principles of electricity, magnetism and optics, utilizing the methods of calculus. *Prerequisite: PHY 2262/L262. Corequisite: PHY L263.*

PHY 3310 **Modern Physics (3)**
Topics covered include special relativity, quantum mechanics, statistical physics, and nuclear physics. ~~and many-electron systems.~~ *Prerequisites: MTH 1126, ~~PHY 2253/L253~~ PHY 2263/L263.*
Corequisite: PHY L310.

PHY L310 **Modern Physics Lab (1)**
Selected experiments in modern physics.
Corequisite: PHY ~~4410.~~3310

PHY 3320 **Mathematical Methods for Physicists (3)**
In this course, students will develop a basic understanding of the mathematical skills necessary to undertake a study in Dynamics, Electromagnetism, and Quantum Physics. *Prerequisite:* MTH 2227.

PHY 3325 **Thermodynamics (3)**
In this course, students will be introduced ~~learn~~ to the basic principle~~s~~ of thermodynamics. Topics include, energy conservation, ~~increase in~~ entropy, ~~various systems of interest (~~isolated systems at constant pressure and temperature and the corresponding thermodynamic potentials. Students will learn to apply these principles to situations applicable to other branches of science and engineering. *Prerequisites: PHY3310/PHYL310.*

PHY 3359 **Optics (3)**

~~The principles of geometrical and physical optics~~. Topics of study in this course will include image formation, refraction, diffraction, origin of spectra, polarized light, and optical activity.
Prerequisities: PHY 2253/L253 or PHY 2263/L263. Corequisite: PHY L359

PHY L359 **Optic Lab (1)**
Students will conduct selected experiments in geometric and physical optics. Laboratory work emphasizes the basic principles of optics, the use of measuring instruments, and the interpretation of data. *Corequisite: PHY 3359*

~~**PHY 4411 Advanced Modern Physics (3)**~~
~~Foundations of statistical physics, solid state physics, nuclear physics, elementary particles, astrophysics, and cosmology. *Prerequisite: PHY 4410.*~~

PHY 4420 **Mechanics (3)**
Introduction to the kinematics and dynamics of particles: escape and terminal velocity, drag, rotational motion and rotating frames, Foucault pendulum, planetary motion and Kepler's laws. ~~and systems of particles.~~ *Prerequisites: ~~MTH 1126,~~ PHY 2253/L253 and PHY 3320. ~~or PHY 2263/L263.~~*

PHY 4430 **Electromagnetic Fields (3)**
~~Vector fields, dielectric and magnetic media, fields in conductors,~~ Topics include electric and magnetic circuit elements. Maxwell's equations and boundary condition problems in one, two and three dimensions. *Prerequisite: ~~MTH 2227 and PHY 2253/L253 or PHY 2263/L263.~~PHY 4435.*

PHY 4435 **Electricity and Magnetism (3)**
~~In this class, the students will learn to describe~~ Topics include static electric and magnetic phenomena. ~~Specifically, the students will learn to use the~~ electric and magnetic potentials, ~~to describe the fields, describe the~~ motion of charged particles, ~~in these fields, and describe how these fields propagate in the presence of materials.~~dielectric and magnetic media, and fields in conductors.
Prerequisite: PHY 3320

PHY 4440 **Dynamics of Particles & Systems (3)**
~~Upon completion of this course, the students will understand the basics of calculus of variations and how this leads to minimization problems; apply calculus of variation to Lagrangians and Hamiltonians and derive equations of motion for complex systems. Additionally, the students should understand the dynamics of rigid body rotation including the differences between angular momentum, angular velocity, and the moment of inertia tensor that relates them. *Prerequisites: PHY 3320*,~~Introduction to the dynamics of rigid body rotation, calculus of variations and minimization and the canonical formalism.
Prerequisite: PHY 4420.

PHY 4445 **Quantum Mechanics I (3)**
~~In this course, students will learn the basic~~ Introduction to the principles of quantum mechanics, ~~and be able to apply them to simple~~ one dimensional systems including the square well and the simple harmonic oscillator, ~~Students will also learn about~~ uncertainty relations and multi-particle systems.
Prerequisites: ~~PHY 3320 , PHY 4435, PHY 4440.~~ PHY 3310, PHY 4472.

PHY 4446 **Quantum Mechanics II (3)**
~~In this course, students will learn to use basic principles of~~ Topics include quantum mechanics ~~to describe~~ higher dimensional systems, ~~Of primary importance will understanding the quantum mechanical version of~~ angular momentum in quantum mechanics, spin, ~~and the application of these principles to solving for the quantum levels of~~ the Hydrogen atom, ~~Further, we will discuss spin, and~~ addition of angular momentum, ~~We will end with some statements about approximate methods, including the~~ WKB approximation, and perturbation theory. *Prerequisite: PHY 4445.*

PHY 4460 **Special Relativity (3)**
~~A study of indefinite bilinear forms, Minkowiski spacetime, causal structure of spacetime, Lorentz group, Zeeman's theorem, time dilation, length contraction, particle dynamics, massless particles, dual spaces, tensor analysis, electromagnetism, and spinors.~~ In this course, students will be introduced to the

principles of relativity and some of its immediate consequences. Topics covered will include inertial observers, time dilation, length contraction, particle dynamics, massless particles, 4-D spacetime, field and energy momentum tensors.
Prerequisites: MTH 33~~31~~10, PHY 2263/PHY L263.

PHY 4470 **Nuclear Physics (3)**
~~In this course, students will learn the basic nuclear physics including the~~ Topics include nuclear structure, nuclear forces, nuclear decays and reactions. ~~It covers the essential areas of research and applications in the field of nuclear Physics.~~ Students will also learn to apply these principles to ~~situations applicable to~~ other branches of science and engineering. *Prerequisite: PHY 4445*.

PHY 4472 **Equations of Mathematical Physics (3)**
This introductory course, students will develop advanced mathematical skills necessary to complete a study in senior level physics courses *Prerequisite: PHY 3320.*

PHY 4475 **Particle Physics (3)**
~~In this course, students will be introduced to introductory particle theory.~~ The basic building blocks of matter and their interactions will be developed ~~with the relationship to symmetry groups~~ emphasizing their relationship to symmetry groups. We will introduce the photon, basic quantum electrodynamics, and introduce Feynman rules for interacting theories. *Prerequisite:* PHY 4445.

PHY 4478 **Introduction to General Relativity (3)**
~~Successful students will develop a strong understanding of the nature of Spacetime, gravity, and gravitation ripples in Spacetime. Additionally, students will become familiar with recent experimental advances and current gravity probes and detection methods.~~ Topics include curvature of spacetime, differential geometry, tensor calculus, the Einstein field equation and gravitational waves. Additionally, students will become familiar with recent experimental advances and current gravity probes and detection methods.
Prerequisites: Permission of instructor.

PHY 4480 **Introduction to Black Holes & Cosmology (3)**
~~Students will develop an understanding of the basic principles of modern cosmology and the various astrophysical objects in our universe.~~ Topics include spherically symmetric black holes, the event horizon, singularities in spacetime, big bang theory and the particle content of the universe.
Prerequisite: PHY 3325, *PHY 44478*

PHY 4482 **String Theory (3)**
~~In this course, we will introduce methods for discussing extended objects and the relevant equations of motion. We will then turn to quantizing these objects using lightcone quantization techniques, finally finding the spectrum of particles given by string theory.~~ Special Relativity in extra dimensions, electromagnetism and gravitation in various dimensions, non relativistic strings, the relativistic point particle, relativistic strings, string parameterization and classical motion, world sheet currents, light cone relativistic strings, light cone fields and particles, relativistic quantum point particles, relativistic quantum open strings, relativistic quantum closed strings, peek at relativistic superstrings.
Prerequisite:, PHY 4446 , PHY 4460 (or permission of instructor).

PHY 4495 **Topics in Physics (3)**
Focus on a topic of timely nature and/or special interest. *Prerequisites: ~~PHY 2253 and L253 or PHY 2263 and L263.~~ Permission of instructor.*

Motion was made by Ron Shehane to accept changes to the Physics courses.

Second was made by Rodger Morrison.

Motion passed.

4. Jeff Rush discussed the addition of CJ course 3xxx Foundations of Emergency Management.

CJ 3xxx **Foundations of Emergency Management (3)**

This course provides an overview of methods used to identify, plan for, mitigate, respond, and recover from a variety of events. The structure of the federal and state level emergency management and functions are considered along with the emergency support functions relied upon. Emphasis is placed on the roles and responsibilities of leadership during a crisis along with the framework of national, regional, and local response. The ability to understand and evaluate the phases of emergency management, continuity of government and the private sector during incidents is also examined. Case studies, exercises, and discussions will be used to encourage critical review of the philosophy and principles of emergency management. This course addresses development of risk matrices, identification of threat and risk and the probability of crisis event occurrence.

Pre-requisite: CJ 1101.

Motion was made by Scout Blum to accept the new course in Criminal Justice.

Second was made by Ivan Merritt.

Motion passed.

5. Janet Gaston discussed the addition of BIO 4xxx Senior Seminar in Biological & Environmental Sciences.

BIO 4xxx **Senior Seminar in Biological & Environmental Sciences (1)**

The senior seminar course integrates knowledge, skills, and concepts acquired in departmental courses. The course is designed to help seniors to 1) prepare for the transition from college to career through a field-related project, and 2) complete a program assessment. *Pre-requisite: senior standing.*

Motion was made by Shellye Vardaman to accept the new course in Biology and Environmental Sciences.

Second was made by Jana Slay.

Motion passed.

6. Steve Ramroop discussed the changing in course descriptions/prerequisites within the Surveying & Geomatics Sciences Program.

GEM 2220 **Basics of Surveying (3)**

Prerequisites: ~~MTH 1125,~~ PHY 2252,~~L252.~~
Co-requisite: GEM L220.

GEM 3309 **Land Survey Principles (3)**
~~The geomatics student is introduced to~~
The course includes the basic principles of land tenure and the cadaster with the major component being the study and application of survey statute and related case law. The concepts underlying the hierarchy of evidence, sequential versus simultaneous conveyances, adverse possession, riparian rights, land descriptions, and the U.S. Public Land Survey System are explored.
Prerequisite: GEM 2220 ~~or approval of the Geomatics Program Coordinator.~~
Co-requisite: GEM L309.

GEM 3366 **Photogrammetry and Remote Sensing (3)**
Prerequisite: GEM 2220 ~~MTH 1125, PHY 2253~~.
Co-requisite: GEM L366.

GEM 3379 **Introduction to Least Squares Adjustment (3)**
Prerequisites: MTH 1126, ~~MTH 2210~~, GEM 3330.
Co –requisite: GEM L379.

GEM 3390 **Introduction to Geographic InformationSystems (3)**
Prerequisites: MTH 1112, ~~GEM 2220~~, IS 2241.
Co-requisite: GEM L390.

GEM L390 **Introduction to GIS Lab (1)**
The laboratory provides the student the opportunity to learn ArcGIS-ArcView software in order to produce GIS products using existing databases. *Co-requisite: GEM 3390.*

GEM L391 **Applications of GIS Lab (1)**
This laboratory provides the student the opportunity to learn and use ArcGIS-ArcInfo GIS to accomplish a full range of GIS applications.
Co-requisite: GEM 3391.

GEM 3395 **Cooperative Work Experience I (1)**
~~The geomatics student may register for GEM 3395 after being hired by an eligible employer participating in the Cooperative Work Experience Program.~~
The course provides students with experience working with an employer approved for the Cooperative Work Experience component of the Surveying and Geomatics Sciences Program. ~~After completion of the semester,~~ The student is expected to submit a written and oral report to the faculty member directing the project, detailing the work experience. *Prerequisites: ~~Completion of~~ GEM 2220, ~~maintenance of a~~ 2.0 overall grade point average, and approval of the Geomatics Program ~~Coordinator~~ Director.*

GEM 4405 **Route and Construction Surveying (3)**
Prerequisites: ~~GEM 1100 or the equivalent, and~~ GEM 3330.
Co-requisite: GEM L405.

GEM 4407 **Land Development (3)**
~~GEM 1100 or the equivalent, and~~ GEM 4409. Co-requisite: GEM L407.

GEM 4408 ***Geodesy and Geodetics (3)***
Prerequisites: MTH 1125, ~~GEM 3379/L379~~, PHY 2253/~~L253.~~
Co-requisite: GEM L408.

GEM 4409 **Hydrology (3)**
Prerequisite: ~~GEM 1100 or the equivalent, MTH 1115.~~ PHY 2253.
Co-requisite: GEM L409. ~~Recommended completion of PHY 2253 or the equivalent.~~

GEM 4410 **Introduction to Global Positions (GPS) (3)**
Prerequisite: GEM 3379 ~~GEM 4408/L408~~.
Co-requisite: GEM L410.

GEM L410 **Introduction to Global Positions Lab (1)**
~~*Prerequisite: GEM 4408/L408.*~~ *Co-requisite: GEM 4410.*

GEM 4490 **Geomatics Capstone (1)**
This course ~~ensures preparation~~ prepares students for the national Fundamentals of Surveying exam to cover all aspects of the exam. ~~Students will be given knowledge area questions that are typical of the exam.~~ Prerequisite ~~or Co-requisite: GEM 4405/L405, GEM 4410/L410, GEM 4407/L407.~~ GEO 4409.

GEM 4496 **Cooperative Work Experience II (1)**
~~The Geomatics student may register for GEM 4496 for the second semester of cooperative work experience.~~ The student must be in residence at Troy University for a minimum of one semester after completion of GEM 3395 before leaving for cooperative work experience under GEM 4496. The student is expected to submit a written and oral report to the faculty member directing the project, detailing the work experience.
Prerequisites: ~~*Completion of*~~ *GEM 3395 and approval of the Geomatics Program* ~~*Coordinator.*~~ *Director.*

GEM 4499 **Geomatics/GIS Projects (2)**
This course offers the Geomatics/GIS student ~~with senior standing~~ the opportunity to apply the fundamental principles and concepts learned in the study of Geomatics/GIS to a particular problem or project. The student will state the problem, design an experiment to test a hypothesis concerning the problem statement, take the measurements, array the data, analyze the data, state conclusions, and ~~place the study into a final report.~~ write a final report based on the analysis and conclusions.
~~*Prerequisite: GEM 3391, GEM L391, GEM 3379, GEM L379, GEM 3366, GEM L366 and senior standing or consent of the Geomatics Program Coordinator.*~~ *Pre-requisite: GEM 4409.*

Motion was made by Rodger Morrison to accept the changes to the course descriptions/prerequisites within the Surveying & Geomatics Sciences Program.

Second was made by Feng Sun.

Motion passed.

SORRELL COLLEGE OF BUSINESS

1. **Hank Findley & Lorraine Magrath discussed the addition of Managerial Concentration to Global Business Major and the new course Corporate Financial Reporting to the Concentration.**

Managerial Accounting Concentration (18 hours)

ACT 3155 (3) Internal Auditing (Capstone)
ACT 33xx (3) Corporate Financial Reporting
ACT 3395 (3) Managerial/Cost Accounting I
ACT 3396 (3) Accounting Information Systems
ACT 4496 (3) Managerial/Cost Accounting II

Select one of the following courses:
ACT 3394 (3) Governmental Accounting
ACT 4434 (3) Financial Statement Analysis
ACT 4494 (3) Income Tax Accounting I

Motion was made by Rodger Morrison to accept the Managerial Accounting Concentration.

Second was made by Ron Shehane.

Motion passed.

ACT 33xx **Corporate Financial Reporting (3)**
An analysis of the financial reporting issues faced by managers, including preparing, understanding, and analyzing financial reports. *Prerequisites: ACT 2292.*

Motion was made by Ron Shehane to accept the new course Accounting.

Second was made by Rodger Morrison.

2. **Scott Beaulier discussed the modification of the BSBA in Economics, adding a course to the required courses, reducing the number of elective hours and adding new courses to the elective hours.**

ECO 4459 **Economics Seminar**
Required to graduate. This course is a comprehensive review of Microeconomics and Macroeconomics. *Prequisites: ECO 3351 and ECO 3352.*

School of Business proposes reducing the number of elective hours by 3 to offset the increase in required course ECO 4459 Economics Seminar. The required hours will remain at 120 to graduate from the program.

New Program	**Total Hours**	**120**
REQUIRED ECONOMICS COURSES	(9 hours)	
ECO 3351	(3)	Intermediate Macroeconomics
ECO 3352	(3)	Intermediate Microeconomics
ECO 4459	(3)	Economics Seminar

GENERAL ECONOMICS MAJOR

ECONOMICS ELECTIVES		**(21 hours)**
COURSE	Hrs. Req.	Hrs. Earned
Following Courses must have a "C" average or better		
ECO 3353	(3)	Money & Banking
ECO 3355	(3)	Labor Economics
ECO 4451	(3)	International Trade
ECO 4452	(3)	Environmental Economics
ECO 4453	(3)	Public Finance
ECO 4454	(3)	Economic History: Rise of the Western World
ECO 4455	(3)	Comparative Econ Systems
ECO 4456	(3)	The Economic and Moral Foundations of Capitalism
ECO 4457	(3)	Econometrics
ECO 4458	(3)	Law & Economics
ECO 4459	(3)	Economics Seminar
ECO 44XX	(3)	Urban and Regional Economics
ECO 33XX	(3)	Sport Economics
ECO 33XX	(3)	History of Economic Thought
ECO 44XX	(3)	Game Theory
ECO 44XX	(3)	Austrian Economics
ECO33XX	(3)	Public Choice
ECO 33XX	(3)	Mathematical Economics

Must choose 2 Finance courses below	(6 hours)	
FIN 3334	(3)	Financial Statement Analysis

FIN 3336	(3)	Real Estate Finance I
FIN 4431	(3)	Financial Management
FIN 4432	(3)	Investments
FIN 4435	(3)	Intl Banking and Finance
FIN 4437	(3)	Financial Institutions
FIN 4438	(3)	Bank Management
FIN 4440	(3)	Real Estate Finance II

ECO 11XX **Survey of Economics (3)**
This course is a study of commerce and economics and their impact on society, technology, and business. This course will cover basic commerce and economics terminology and concepts important to managers.

ECO 33XX **History of Economic Thought (3)**
This course surveys the main schools in the history of the development of economic thought. *Prerequisites: ECO 2251 and ECO 2252*

ECO 33XX **Mathematical Economics (3)**
This course develops the mathematical treatment of theory of firm, household behavior, stabilization policy, growth theory, input-output analysis, and linear programming. *Prerequisites: ECO 2251, ECO 2252 and MTH 1125 or MTH 2201*

ECO 33XX **Public Choice (3)**
Public choice applies economic tools and methodology to the study of public decision-making. The emergence of government, collective choice within government, effects of legislative structures on outcomes, the role of interest groups as compared to that of the median voter, rent-seeking, bureaucracy, regulation, the size and scope of government, and alternative forms of governance. *Prerequisites: ECO 2251 and ECO 2252*

ECO 33XX **Sports Economics (3)**
Sports Economics introduces essential core economic concepts and then develops them with examples and applications from the sports industry. The sections are devoted to illustrating prominent areas of economics: industrial organization, public finance , labor economics, and econometrics. *Prerequisites ECO 2251 and ECO 2252*

ECO 44XX **Regional and Urban Economics (3)**
The economics of cities and urban problems and the effects of geographic location on the decisions of individuals and firms. The importance of location in everyday choices is easily assessed from our day-to-day lives, yet traditional microeconomic models are spaceless. *Prerequisites: ECO 3351 and ECO 3352*

ECO 44XX **Austrian Economics (3)**
The historical and philosophical roots of the Austrian School, the impact it has had within the economics profession, and the unique insights it has provided in such areas as the theory of value, monetary theory, and business cycles.

ECO 44XX **Game Theory (3)**
This course provides an introduction to game theory with applications to economics. Moreover, the course presents an approach to modeling a

social situation as a game and develops techniques for solving the game in order to gain insight into individual behavior.
Prerequisites: ECO 2251, ECO 2252, MTH 1125 or MTH 2201

Motion was made by Feng Sun to accept the additional course ECO 4459 Economics Seminar to the required courses of the BSBA in Economics , the reduction of elective hours by 3 in the BSBA in Economics and the addition of new courses to the elective hours section.

Second was made by Rodger Morrison.

Motion passed.

3. **Scott Beaulier discussed the modification of the BSBA in Global Business, Finance Concentration replacing a course to the required course area, replacing two electives, renaming four courses to better fit the focus of the Finance concentration, and adding five courses to the elective area.**

Proposed Finance Concentration (18 hours)

Required Courses (12 hours)

FIN 4431	(3)	Intermediate Financial Management
FIN 4432	(3)	Investments
FIN 4435	(3)	International Finance
FIN 4437	(3)	Financial Institutions
FIN 4438	(3)	Bank Management

Electives (6 hours)
Select two from the following list

FIN 3334	(3)	Financial Statement Analysis
FIN 3335	(3)	International Finance
FIN 3336	(3)	Real Estate
FIN 3337	(3)	Personal Financial Planning
FIN 4436	(3)	Security Analysis
RMI 3335	(3)	Principles of Risk Management and Insurance

Renaming of courses in Business Core:

FIN 3331	(3)	Fundamentals of Financial Mathematics/Financial Management I
FIN 3332	(3)	Fundamentals of Managerial Finance/Financial Management II

Renaming of courses in Finance Concentration

FIN 4431	(3)	Financial Management/Intermediate Financial Management
FIN 4435	(3)	International Banking and Finance/International Finance

Addition of Finance Electives:

FIN 3337	(3)	Personal Financial Planning
FIN 4419	(3)	Derivatives
FIN 4434	(3)	Financial Modeling
FIN 4436	(3)	Security Analysis
FIN 4454	(3)	Public Finance

Course descriptions changes:

FIN 3331 Financial Management I (3)

Analysis, planning and control of finance decisions of a firm with emphasis on corporate structure. *Prerequisite: ACT 2291, 2292, QM 2241, MTH 2201*

FIN 3332 **Financial Management II (3)**
Second course in a sequence of corporate finance. Continuation of FIN 3331 with focus on topics in financial management not covered in FIN 3331. *Prerequisite: FIN 3331*

FIN 3337 **Personal Financial Planning (3)**
Introduction and comprehensive overview of personal financial planning. Topics include introduction to financial planning, managing assets, credit, insurance, investments, retirement and estate planning.

FIN 4419 **Derivatives (3)**
This course examines the theory and usage of forward contracts, futures contracts, index futures, Markov and Wiener processes, Black Scholes analysis, options, indexed options, and hedging using naked and covered positions, and other non-standard derivative securities. **Prerequisite: FIN 3332.**

FIN 4431 **Intermediate Financial Management (3)**
Analysis of financial management of a firm at the intermediate level, with emphasis on the corporation. Includes more advanced analysis of topics covered in the FIN 3331 and 3332 courses, as well as other advanced topics. *Prerequisite: FIN 4432, FIN 4435, FIN 4437*

FIN 4434 **Financial Modeling (3)**
This course provides an examination of standard financial models used in corporate finance, financial statement simulation, portfolio problems, options, portfolio insurance, duration, and immunization. The primary focus of study is on the application of strategic models of decision making and marketplace activity within simulated environments which approximate real time. *Prerequisite: FIN 4432.*

FIN 4435 **International Finance (3)**
A comprehensive introduction and overview of international finance with emphasis upon multinational corporation management, international trade, foreign exchange, and international financial markets, institutions, and instruments. *Prerequisite: FIN 3332.*

FIN 4436 **Security Analysis (3)**
Introduction and comprehensive overview of securities analysis. Topics include stocks, bonds, mutual funds, taxes, annuities, new issues, IPOs, OTC, exchanges, options, margin trading, short selling, laws and regulations, and fundamental, technical, and modern security and portfolio analysis techniques. *Prerequisite: FIN 4432.*

FIN 4454 **Public Finance (3)**
This course examines and analyses public finance from the perspective of the financial management of governmental enterprises. It examines revenues and expenditures at all levels of government, the financial management of government enterprises, and effects of public finance on business finance and personal finance. *Prerequisite: FIN 3332.*

Motion made by Ron Shehane to accept the changes in the BSBA in Global Business, Finance Concentration replacing a course to the required course area, replacing two electives, renaming

four courses to better fit the focus of the Finance concentration, adding five courses to the elective area, and changing course descriptions to nine courses.

Second was made by Festus Ndeh.
Motion passed.

4. Hank Findley & Bill Hamby discussed the correction to Transfer Credit to the Undergraduate Catalog.

Current 2013-2014 Undergraduate Catalog – page 64-65

Admission as a Transfer Student – Transfer credit will not be awarded for any course to be used in the business core or major in which a "C" grade or higher has not been achieved.

Students transferring from AACSB accredited schools or an appropriately accredited International institution must follow the same requirements listed above. Students who have completed the first 66 hours and have the required GPA will be assigned a major, an advisor, and will enroll in FIN 3331, QM 3345, IS 3310, BUS 3382, or ACT 3391 (for accounting majors only), and other courses appropriate to their major (12-18 hours). Please note other than for MGT 3300 and MKT 3300, 1000-2000-level courses generally do not transfer for 3000-level courses.

Proposed 2014-2015 UNDERGRADUATE CATALOG – PAGE 64-65

Admission as a Transfer Student – Transfer credit will not be awarded for any course to be used in the business core or major in which a "C" grade or higher has not been achieved.

PROPOSED: Transfer credits acceptable for admission purposes shall be evaluated to determine their suitability for degree credit in the Sorrell College of Business Administration. The Dean of the College will make the final decision concerning transfer credit allowable within the curricula. **A minimum of 31 hours of credit in the Sorrell College of Business ~~Administration~~ courses must be successfully completed at Troy University in order to receive the B.S. B.A. degree**. The thirty-one hours taken must be in Business courses and would not include any General Study courses taught by the Sorrell College of Business (e.g., ECO 2251, ECO 2252, and IS 2241). Transfer credit will not be allowed for any courses where assessments for accreditation purposes are being conducted. Courses not allowed to transfer for courses where assessments are being conducted may be considered for SCOB elective courses.

Students transferring from AACSB accredited schools or an appropriately accredited International institution must follow the same requirements listed above. Students who have completed the first 66 hours and have the required GPA will be assigned a major, an advisor, and will enroll in FIN 3331, QM 3345, IS 3310, BUS 3382, or ACT 3391 (for accounting majors only), and other courses appropriate to their major (12-18 hours). Please note other than for MGT 3300 and MKT 3300, 1000-2000-level courses generally do not transfer for 3000-level courses.

Motion made by Rodger Morrison to accept the change to Transfer Credit in the Sorrell College of Business *with corrections of deleting Administration and adding the S to B.B.A.*

Second was made by Scout Blum.

Motion passed.

COLLEGE OF EDUCATION

1. **Frank Hammonds discussed the addition of a new minor in Applied Behavior Analysis (ABA) and a certificate in *Behavioral Treatment of Individuals with Autism and Developmental Delays.***

Applied Behavior Analysis Minor (18 Hours)

PSY 3340	**(3)**	**Psychology of Learning**
PSY 4459	**(3)**	**Applied Behavior Analysis**
PSY 4xxx	**(3)**	**Evaluation of Research for the Behavioral Treatment of Individuals with Autism and Developmental Delays**
PSY 4xxx	**(3)**	**Behavioral Assessment of Individuals with Autism and Developmental Delays**
PSY 4xxx	**(3)**	**Behavioral Treatment of Individuals with Autism and Developmental Delays**
PSY 4xxx	**(3)**	**The Behavioral Analyst as a Professional and Ethical Practitioner**

Students seeking experience based practicum experiences are encouraged to take the two practicum courses. See advisor for information regarding national credentials in Applied Behavior Analysis. Practicum experiences will be required for application for national credentials.

PSY 4xxx	**(3)**	**Applied Behavior Analysis Practicum I**
PSY 4xxx	**(3)**	**Applied Behavior Analysis Practicum II**

Behavioral Treatment of Individuals with Autism and Developmental Delays Certificate (12 Hours)

PSY 4xxx	**(3)**	**Evaluation of Research for the Behavioral Treatment of Individuals with Autism and Developmental Delays**
PSY 4xxx	**(3)**	**Behavioral Assessment of Individuals with Autism and Developmental Delays**
PSY 4xxx	**(3)**	**Behavioral Treatment of Individuals with Autism and Developmental Delays**
PSY 4xxx	**(3)**	**The Behavioral Analyst as a Professional and Ethical Practitioner**

Motion was made by Rodger Morrison to accept the new minor in Applied Behavior Analysis and a certificate in *Behavioral Treatment of Individuals with Autism and Developmental Delays.*

Second was made by Ruth Busby.

Motion passed.

2. **Frank Hammonds discussed the addition of new courses for minor in Applied Behavior Analysis and a certificate in *Behavioral Treatment of Individuals with Autism and Developmental Delays.***

PSY 44xx	**The Behavior Analyst as a Professional and Ethical Practitioner (3)**

Through a variety of topics and activities, this course will prepare the student for working in a professional setting (e.g.,a clinic for the behavioral treatment of children with autism.) Topics covered include: (a) training and supervising others in implementing behavior-change procedures, including parents; (b) advanced behavior-change procedures such as contingency contracts, group contingencies, self-management, and programming for generalization and maintenance; (c) the Behavior Analyst Certification Board's ethical guidelines for behavior analysts; and (d) possible undesired side-effects of using behavior-change procedure such as reinforcement, extinction, and punishment. Students will design, plan, implement, and present a behavior-change project. *Prerequisites: PSY 4xxx Evaluation of Research for the Behavioral Treatment of Individuals with Autism and Developmental Delays, PSY 4xxx Behavioral Treatment of Individuals with Autism and Developmental Delays.*

PSY 4xxx **Evaluation of Research for the Behavioral Treatment of Individuals with Autism and Developmental Delays (3)**
This course will present a behavioral view of autism and provide a brief overview of the history of behavioral treatment of autism and other developmental delays. The course will provide a brief overview of single-subject research designs and data analysis. Students will evaluate research studies that are seminal in the field of the behavioral treatment of children with autism and developmental delays in terms of (a) ethics, (b) research design, and (c) visual analysis. *Prerequisites: PSY 4459*

PSY 4xxx **Behavioral Assessment of Individuals with Autism and Developmental Delays (3)**
This course will prepare the student to conduct behavioral assessments including a functional behavior assessment (FBA), VB-MAPP, and ABBLS. based on the results of the assessment, students will write a behavioral treatment plan. *Prerequisite: PSY 4xxx Evaluation of Research for the Behavioral Treatment of Individuals with Autism and Developmental Delays,*

PSY 4xxx **Behavioral Treatment of Individuals with Autism and Developmental Delays (3)**
In this course, students will identify, describe, and practice behavioral change procedures using: (a) positive and negative reinforcement, (b) positive and negative punishment, (c) shaping, (d) each type of verbal operant, € extinction, and (f) differential reinforcement. Students will contract discrete-trial teaching and incidental teaching methods and practice using both. *Prerequisite: PSY 4xxx PSY 4xxx Evaluation of Research for the Behavioral Treatment of Individuals with Autism and Developmental Delays.*

PSY 44xx **Applied Behavior Analysis (3)**
This course covers the characteristics of behavior analysis as well as the basics of behavior-change procedures. Students will design, plan, implement, and present a behavior-change project. *Prerequisite: PSY 3340*

PSY 4xxx **Applied Behavior Analysis Practicum I (3)**
Prior to enrollment, students must have a criminal background check and professional liability insurance. Students must complete 250 hours of supervised experience delivering applied behavior analysis services in a clinical setting. Students are not allowed to be paid for their service delivery as they are receiving course credit. Students must meet with the instructor for class, which counts as the group-supervision component. During class, students will practice delivering behavior-analytic services. Students must meet weekly with an approved Board Certified Behavior Analyst (BCBA) for individual supervision. During individual supervision, the BCBA must (a) observe the student engage in practice and (b) provide written and verbal feedback on that practice according to the BCBA guidelines for supervision. The course is limited to 10 students. *Prerequisites: PSY 4xxx The behavior Analyst as a Professional and Ethical Practitioner and permission of the instructor.*

PSY 44xx **Applied Behavior Analysis Practicum II (3)**
Students must complete 250 hours of supervised experience delivering applied behavior analysis services in a clinical setting. Students are not allowed to be paid for their service delivery as they are receiving course credit. Students must meet with the instructor for class, which counts as the group-supervision component. During class, students will practice delivering behavior-analytic services. Students must meet weekly with an approved Board Certified Behavior Analyst (BCBA) for individual supervision. During individual supervision, the BCBA must (a) observe the student engage in practice and (b) provide written and verbal feedback on that practice according to the BCBA guidelines for supervision. The course is limited to 10 students.
Prerequisites: PSY 4xxx Applied Behavior Analysis Practicum I AND permission of the instructor.

Motion was made by Festus Ndeh to accept the addition of new courses for the **Applied Behavior Analysis and a certificate in Behavioral Treatment of Individuals with Autism and Developmental Delays.**

Second was made by Shellye Vardaman.

Motion passed.

3. **Rhonda Bowron discussed the name change to EDU 3305.**

EDU 3305 ~~**Microcomputers in Education (3)**~~
Teaching with Technology

Motion was made by Scout Blum to accept name change for EDU 3305.

Second was made by Feng Sun.

Motion passed.

COLLEGE OF HEALTH AND HUMAN SERVICES

1. **Shellye Vardaman discussed the creation of two Internship Courses in eTroy and the change to prerequisite for HSTM 4490.**

HSTM 44xx **Internship I in Hospitality, Sport and Tourism Management (3)**
A supervised experience in planning, staging and evaluating a formal practicum in related field. This is the first part in a two part internship experience.
Prerequisites: HSTM 4443, 4499, permission of internship coordinator, and eTroy-home location.

HSTM 44xx **Internship II in Hospitality, Sport and Tourism Management (3)**
A supervised experience in planning, staging and evaluating a formal practicum in related field. This is the second part in a two part internship experience.
Prerequisites: HSTM 44xx and permission of internship coordinator.

HSTM 4490 **Internship in Hospitality, Sport and Tourism Management (6)**
Prerequisites: HSTM 4443, 4499, permission of internship coordinator, and Troy Campus-home location.

Motion was made by Rodger Morrison to accept new courses for Hospitality, Sport and Tourism Management and changes to prerequisites in HSTM 4490 *with a change to HSTM 44xx Internship II to include: eTroy-home location.*

Second was made by Ivan Merritt.

Motion passed.

2. **Shellye Vardaman discussed the removal of HSTM 4418 and the addition of new course. to Tourism Management concentration.**

TOURISM MANAGEMENT CONCENTRATION (21 HOURS)

HSTM 33xx	**(3)**	**Festivals and Special Events**
HSTM 3360	(3)	Tourism Principles
HSTM 3377	(3)	Domestic and International Tourism
HSTM 44XX	(3)	Sustainable Tourism
HSTM 4415	(3)	Tourism Impacts
HSTM 4417	(3)	Issues in Tourism
~~HSTM 4418~~	~~(3)~~	~~Tourism Development and Planning~~
HSTM 4419	(3)	Tourism Enterprises

HSTM 33xx **Festivals and Special Events (3)**
This course provides a comprehensive overview of the festival and event industry. Students will be introduces to the various types of festivals and special events as well as their personal, societal, cultural, economic, and environmental consequences. The course also explores management issues and strategies necessary to plan, organize, fund, market, stage, and evaluate festivals and special events.

Motion was made by Jana Slay to accept the removal of HSTM 4428 and the addition of HSTM 33xx to Tourism Management Concentration.

Second was made by Rodger Morrison.

Motion passed.

3. **Shellye Vardaman discussed the change in prefix for RHB 9920 Youth Leadership Forum Practicum.**

~~RHB~~ 9920 **HS 9920 Youth Leadership Practicum**

Motion was made by _Ron Shehane_ to accept the prefix change to RHB 9920.

Second was made by __Feng Sun_ .
Motion passed.

4. **Shellye Vardaman discussed the change in course title to HSTM 4420 Hospitality Financial Management.**

HSTM 4420 **Hospitality Financial Management/Revenue Management in Hospitality**

Motion was made by __Ruth Busby_ to accept the title change to HSTM 4420.

Second was made by __Rodger Morrison_.
Motion passed.

5. **Shellye Vardaman discussed the changes to the BSN Program.**

Proposal for Changes in BSN Program: Progression Policy; Length of Program Completion

1. Propose to change the BSN Progression Policy by deleting the current statement in "c" under "Progression" on Page 92 of the 2013-14 UG Catalog which is:

   "c. Students may repeat only one 3300-4400 level nursing course required in the BSN clinical nursing sequence; therefore, a second D or F in any 3300-4400 level nursing course will result in automatic dismissal from the program."

   Propose to replace "c" with the following statement:

   "c. Students may repeat only one 3300-4400 level nursing course required in the BSN clinical nursing sequence (with the exception of NSG 3315, Pathophysiology): therefore, a second D or F in any 3300-4400 level nursing course (with the exception of NSG 3315, Pathophysiology) will result in automatic dismissal from the program."

2. Propose to change the BSN Progression Policy by adding the following statement "g" under "Progression on Page 92 of the 2014-2014 catalog as follows:

   "g. Students must graduate within 150% of program completion time (7 semesters to be completed in no more than 3½ years) from date of admission to the clinical nursing sequence to date of graduation from BSN program".

Motion was made by Rodger Morrison to accept the changes to the BSN Program Progression Policy.

Second was made by Scout Blum.

Motion passed.

6. **Shellye Vardaman discussed the changes to the ASN Program.**

Proposal for Changes in ASN Program: Progression Policy; Length of Program Completion.

The following proposals are submitted to the Undergraduate Academic Council for consideration :

1. Request to require a score of "74" on the TEAS (Test of Essential Academic Skills) as an admission requirement to the ASN Program instead of requiring an ACT or SAT

score. This requirement would be included on Page 91 under ASN "Admission" of the Undergraduate Catalog (reference 2013-2014 Catalog) in addition to the following items:

- The test must have been taken within the 2 years prior to the date of application for admission.
- If the student submits 2 TEAS V scores (from exams taken twice during the 2 year period), the highest score will be considered. If more than 2 attempts are submitted, only the first two taken during the two year period would be considered.

2. Propose to change the pre- and/or co-requisite on several of the nursing "practicum" courses. Rationale: Students who feel they need to only concentrate in one course (instead of being required to take a "practicum" course with its corresponding "theory" course, will be allowed to do so. Please see Attachment II for the current ASN nursing courses and their pre- and/or co-requisites as listed in the 2013-2014 Troy University Undergraduate Catalog.

Suggested Revisions:

NSG 1140, Foundations of Adult Health Nursing "~~Corequisite: NSG 1141~~"

NSG 1141, Foundations of Adult Health Nursing Practicum

Add: **"Pre-** or Co-requisite NSG 1140"

NSG 2255, Maternal-Infant Nursing "~~Corequisite~~: NSG 2256"

NSG 2256, Maternal-Infant Nursing Practicum **"Pre-** or Co-requisite NSG 2255"

NSG 2265. Nursing of Children

~~"Corequisite NSG 2266" NSG 2266~~,

Nursing of Children Practicum

Pre- or Co-requisite NSG 2265" NSG

2271, Psychosocial Nursing Concepts~~:~~

~~"Corequisite NSG 2272"~~ NSG 2272,

Psychosocial Nursing Practicum_**" Pre-**

or Co-requisite NSG 2271

NSG 2280, Advanced Nursing

Concepts: ~~"Corequisite NSG 2281"~~

NSG 2281, Advanced Nursing

Practicum: **" Pre-** or Co-requisite NSG

2280"

NSG 2282, Gerontological Nursing Concepts

"~~Corequisite NSG 2283"~~

NSG 2283, Gerontological Nursing Practicum

" Pre- or Co-requisite NSG 2282"

3. Propose to change the ASN Progression Policy (see Attachment Ill) by deleting the current statement in "d" under "Progression" on Page 91 of the 2013-2014 catalog which is as follows:

~~"d. A grade of D or F in more than seven semester hours of nursing courses will result in automatic dismissal from the ASN Program. These seven hours also include Nutrition (NSG 2213 or 2204)."~~

Propose to replace "d" with the following statement:

"d. A student may repeat only one ASN Program nursing course (with the exception of NSG 2204, Nutrition); therefore, a second D or F in any ASN nursing course (with the exception of NSG 2204, Nutrition) will result in automatic dismissal from the Program."

Motion was made by Rodger Morrison to accept the changes to the ASN Program Progression Policy.

Second was made by Scout Blum.

Motion passed.

Information Items

Jo Ann presented the new forms from Institutional Research "Academic Program Action Form". She informed the Council that they would be emailed for their review

Jo Ann presented a correction to the catalog from A &S regarding MTH 2201 in the Economics Major.

Meeting was adjourned at 4:30 p.m.