



UCF Graduate Council

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CURRICULUM COMMITTEE MINUTES

Minutes of November 09, 2016 meeting

Members Present	Diane Andrews, Charles Kelliher, Elsie Olan, Shuo Pang, Kerry Purmensky, Jennifer Sandoval, Terrie Sypolt, Asli Tasci, John Weishampel
Recorder	Debra Winter
Guests Present	Derek Green, Jana Jasinski, Michele Upvall, Mark Dickie, Jim Schott, Shunpu Zhang, Taylor Ellis, Karen Baxley, Harry Paarsch, Cecyle Carson, Ranetta Guinn
Staff Members	Michelle Pozdoll
Files	2016-11-09 Meeting Course Minutes  2016-11-09 Meeting Materials and Supply Fees Minutes 

Welcome and call to order. Dr. Kerry Purmensky, chair, called the meeting to order at 2:35 p.m. and welcomed the committee and guests. A quorum was established. The minutes from the October 26, 2016 meeting were reviewed and approved.

Reactivation of CBA Economics MS, effective Fall 2017. Dr. Taylor Ellis gave background of suspension in 2009 due to faculty loss. He also noted that there are now sufficient faculty to offer the program, students are interested in it, and the Department of Economics requests its reactivation. It was confirmed that no program review was conducted during the suspended period. This request received unanimous approval.

Addition of COS Big Data Analytics PhD, effective Fall 2018. Dr. Shunpu Zhang gave an overview of this new PhD program, which will train researchers with a statistics background to analyze massive, structured or unstructured data to uncover hidden patterns. The program will provide a strong foundation in the major methodologies associated with Big Data Analytics. The program builds on the Data Mining MS program faculty and Dr. Zhang was hired to lead the new PhD program. Dr. Zhang also reviewed the associated new courses in the Course Agenda. This request received unanimous approval.

No equipment fees to review this year.

Materials and Supplies Fee Requests. UCF is not allowing increases or new materials and supplies fee requests this year. The committee reviewed the Graduate M&S Fee Agenda, which included a list of fees for five-year review. The committee approved all fee requests (17 at same rate, 2 at decreased rate) on the November 9 agenda.

Courses and special topics. For a list of approved courses, see the attached course minutes. The November 9 course agenda also included most of the courses that needed five-year review.

Adjournment. The meeting adjourned at 3:30 p.m. The next meeting is on January 25, 2017.

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Course Minutes – DRAFT

November 9, 2016

All courses have been approved unless otherwise noted. Any notations refer to the course below the notation.

1. Course Additions

College of Arts and Humanities Course Additions

TPP 6XXX CAH-THEA 2(2,1)

Acting Studio V: PR: TPP 6267. An advanced acting course which will explore and develop specialty areas of actor training. *Odd Spring.*

Abbrev: (15 of 30 chars) Acting Studio V

Rationale: Additional acting class is required to enhance the quality of the training program.

Majors taking course: MFA Acting

College of Education and Human Performance Course Additions

Tabled 10/26/2016. Needs discussion with Communication Sciences and Disorders and with Psychology.

EEX 6XXX ED-CFCS 3(3,0)

Advanced Behavior Analysis: PR: EEX 6612. This course prepares practitioners to use the principles of advanced behavior analysis (ABA) to assess and teach communication skills to individuals with autism and develop knowledge of current augmentative and alternative communication (AAC) technology. *Summer.*

Abbrev: (3 of 30 chars) ABA

Discussion with others: At this time, there are no courses on the books at the advanced behavior analysis level. The EEX 6612 methods of behavior management is a required course prior to entering the Advanced behavior analysis course. Content in the new course will build off of EEX 6612 into more advanced and complex systems of behavior analysis.

Majors taking course: Project ASD: Certificate Program in Autism Spectrum Disorders.

College of Engineering and Computer Science Course Additions

Tabled 10/26/2016, with 1 opposed. Needs discussion with Biomedical Sciences.

EEL 5XXX ECS-ECE 3(3,0)

Advanced Bioelectronics Systems: PR: EEE 4309C or C.I. Advanced bioelectronics systems and techniques that enable recent biophysical and biomedical research will be discussed. *Spring.*

Abbrev: (30 of 30 chars) Advanced Bioelectronics System

Discussion with others: Discussed with Biomedical Engineering and with NSTC; no overlaps or conflicts found. Pending discussion with Biomedical Sciences.

Rationale: Global climate change drives a variety shifts in the physiochemical composition and functioning of our environment, which cascades into significant effects on biological system. All graduate students obtaining degrees in Biology/Conservation Biology today need to have a strong foundational knowledge of the causes and consequences of global change, including the ability to think critically and evaluate the abundance of new scientific data emerging on the subject of climate change. This course will achieve that goal, as well as help students evaluate the potential role of global change in their own scientific endeavors.

Majors taking course: It will be an elective for all Biology grad students, and an option for grad students in other depts. (Chem, Physics, Eng., etc)

STA 6XXX **COS-STAT** **3(3,0)**

Spatial Statistics: PR: STA 6707 and STA 5825. Statistical models and methods for analyzing data that are collected at different spatial locations and/or at different times, spatial or spatio-temporal data. *Even Spring.*

Abbrev: (18 of 30 chars) Spatial Statistics

Discussion with others: This class is focusing on statistical analysis of spatial data. There is no other department offering this course now and therefore no possible duplications or conflicts with other departments. Statistics received approvals from Criminal Justice, Sociology, Public Administration and Biology (see emails).

Rationale: In the last decade, there is a rapid growth in the use of Geographical Information Systems (GIS). Analysis of these data is an important component of this development. Spatial statistics has developed its own techniques for solving spatial data problems. Spatial data analysis is used when data is collected at a number of different sites. With the recent advances in big data analytics, students should also learn on how to analyze spatial data to be competitive in the current job market.

STA 7XXX **COS-STAT** **3(3,0)**

Bayesian Modeling and Computation: PR: STA 5703 and STA 6704. Bayesian model, prior specification, basics of decision theory, Markov chain Monte Carlo, Bayes factor, empirical Bayes, Bayesian linear regression and generalized linear models, hierarchical models.

Occasional.

Abbrev: (29 of 30 chars) Bayesian Modeling Computation

Discussion with others: Contacted Biomedical Sciences, Bioinformatics, Sociology, Electrical & Computer Engineering, Psychology, Anthropology, Education & Human Performance, Computer Science. See attached emails.

Rationale: Today Bayesian statistics is important for a PhD in Data Analytics because Bayesian analysis is widely used and provides a computational solution when the estimated parameters do not have a closed form. Bayesian analysis is also becoming more welcome in numerous of fields such as psychometric and bioinformatics. It requires mathematics especially probability training to understand the Bayesian theories and methods. Bayesian methods have some advantages compared to conventional analysis. First, practically many problems that are intractable using the conventional methods are tractable by Bayesian approaches. Second, Bayesian modeling is more flexible for parameter estimation so that it may be more useful for clustering problems due to lack of data's label information.

Discussion with others: Contacted Computer Science, Industrial Engineering & Management, and Electrical & Computer Engineering. See attached emails.

Rationale: There has been a significant expansion of big data and the common techniques used to analyze these data are computer algorithms without theoretical justifications. This course will provide statistical framework for studying the problem of inference, making predictions or decisions from a set of data. Statistical learning theory allows us to better understand the theory behind machine learning algorithms. So, it will make things more precise and derive new or improved algorithms.

Majors taking course: Big Data Analytics PhD

STA 7XXX **COS-STAT** **3(3,0)**

Survival Analysis: PR: STA 6326 and STA 6327, or C.I. Censoring, hazard and survival functions, Kaplan-Meier estimator, lifetime table, partial likelihood, Cox proportional hazards model, accelerated failure time model. *Even Spring.*

Abbrev: (17 of 30 chars) Survival Analysis

Discussion with others: Contacted Biomedical Sciences, Bioinformatics. See attached email. Rationale: Survival analysis is a collection of statistical methods that are used to describe,

explain, or predict the occurrence and timing of events. Survival analysis is a major analytical tool used in clinical studies to evaluate the effect of a new medical treatment or a newly developed drug, etc. These same methods are also appropriate for studying social phenomena including births, marriages, divorces, job terminations, promotions, arrests, migrations, and revolutions. Although some methods of survival analysis are purely descriptive (e.g., Kaplan-Meier estimation of survival functions), most applications involve estimation of regression models, which come in a wide variety of forms.

2. Special Topics Additions

College of Education and Human Performance Special Topics Additions

Approved 11/9/2016 with 2 opposed.

MHS 6938 **ED-CFCS** **3(3,0)**

Advanced Diagnosis and Treatment Approaches: Applications of Neuroscience in

Counseling Practice: PR: Graduate standing or C.I. Students will learn basic neuroscience concepts that propose how the human brain impacts and is impacted by counseling models and techniques. *Occasional.*

Abbrev: (28 of 30 chars) Advanced Diagnosis Treatment

Discussion with others: Dr. Gulnora Hundley (Counselor Education) contacted Dr. Jeffrey Cassisi (Psychology Department Chair) who supports Dr. Hundley's efforts and has no objections to the development of the course. Furthermore, Dr. Bonnie Yegidis (School of Social Work Director and Professor) indicated that she saw no problem in the Counselor Education program offering a course on Neuroscience. Please see the attached emails as affirmations.

College of Engineering and Computer Science Special Topics Additions

TTE 6938

ECS-CECE

3(3,0)

Geographic Information Systems (GIS) Application for Transportation: PR: TTE 5204 or STA 5206 or ESI 5219. Exploring a variety of advanced Geographic Information Systems (GIS) techniques and spatial statistical modeling methods that can be applied in transportation engineering and safety analysis. *Occasional.*

Abbrev: (17 of 30 chars) GIS for Transport

Discussion with others: The suggested course was discussed with the Department Chair, Professor Dr. Mohamed Abdel-Aty and Dr. Dingbao Wang (who teaches several GIS related courses). We concluded that although there are many GIS classes offered none of the GIS classes are exclusively offered for transportation engineering. GIS tools for transportation are quite different from other fields. For example, network analysis tools such as finding the best route, closest facilities, creating OD cost matrix are not covered by the GIS classes from other departments. Also, advanced spatial modeling techniques will be covered for traffic crash analysis (e.g., Spatial lag models, Geographically Weighted Regression (GWR), etc.).

Dr. John Walker (Anthropology) suggested a new GIS certificate program to the College of Graduate Studies and it has been approved. He agreed to include the proposed courses, "GIS Application for Transportation", as an elective course for the new GIS certificate program.

Tabled 10/26/2016, with 1 opposed. Needs discussion with Biomedical Sciences.

Approved 11/21/2016, based on revised syllabus and email with Biomedical Sciences.

EEL 5937

ECS-ECE

3(3,0)

Advanced Bioelectronics Systems: PR: EEE 4309C or C.I. Advanced bioelectronics systems and techniques that enable recent biophysical and biomedical research will be discussed. *Occasional.*

Abbrev: (30 of 30 chars) Advanced Bioelectronics System

EEL 6938

ECS-ECE

3(3,0)

Network Economics and Architectures: PR: EEL 4781 or similar. Principles of internet working architectures; and their projections on function placement and decomposition as well as various network protocol elements such as routing, naming, and addressing. Implications of network economics on the evolution and practice of network architectures and systems. Multi-provider inter-ISP economics: Pricing, peering, edge-to-edge tussle, neutrality, fairness, and openness. Networking and population effects and their impact on the scale of the network design: power laws and scale-free composition. *Occasional.*

Abbrev: (30 of 30 chars) Network Economics Architecture

Discussion with others: We have discussed over emails with Dr. Jun Wang (ECE), Dr. Mainal Chatterjee (CS), Dr. Mostafa Bassiouni (CS). They identified possible overlaps and we have adjusted the syllabus accordingly. They all encouraged a course with an emphasis on network economics covered along with recent advances in network systems. Dr. Mark Dickie in Economics provided the following "Thank you for sending the proposal. This looks like a good course which does not overlap with any current offerings in Economics."

CAP 6135 **Malware and Software Vulnerability Analysis 3(3,0)**
PR: ~~CNT 4704~~ Digital Forensics MS major or equivalent and CGS 5131, CDA 5106 or C.I. COT 5405.

Analyzes computer malicious codes, such as virus, worm, trojan, spyware, and software vulnerabilities, such as buffer-overflow.

Term Offered: ~~Odd-Fall~~ Spring

Rationale: Updating PRs to allow other programs to take course

CIS 6395 **Incident Response Technologies 3(3,0)**

PR: ~~CGS 5131 and CNT 6418,~~ Digital Forensics MS major or C.I. CDA 5106 or COT 5405.

This course covers security incidents and intrusions. Topics include: identifying and categorizing incidents, responding to incidents, log analysis, network traffic analysis, and tools.

Rationale: Updating PRs to accommodate students in other programs

There are no programs that list CIS 6395.

CNT 6519 **Wireless Security and Forensics 3(3,0)**

PR: ~~CGS 5131~~ Digital Forensics MS major or C.I. CDA 5106 or COT 5405.

Advanced topics in wireless network security, security management, cryptography, wireless forensics and related areas.

Term Offered: ~~Even-Spring~~ Fall

Rationale: Updating PRs to allow other programs to take

College of Graduate Studies Course Revisions

IDS 6257 **Fundamentals of Nano-Biophysics 3(3,0)**
Principles and Techniques of Nanobiology

PR: Admission to the Nanotechnology PSM or MS program, or C.I.

This course aims to integrate multi-disciplinary approaches covering physics, biology, and nanoscience to understand how living system works at the nanoscale.

Abbrev (29 of 30): ~~Nano-Biophysics-Principles/Techniques Nanobio~~

Rationale: Changing the title to reflect concerns from the Physics department about potential conflicts with an existing course in this department.

Majors taking course: PSM and MS program in Nanotechnology

IDS 6258 **~~Advanced Materials for Rechargeable~~**
Batteries 3(3,0)
Advanced Materials and Nanotechnology for
Rechargeable Batteries

PR: Admission to the PSM in Nanotechnology and Intro Nanosci Nanotech, or C.I.
Build a bridge between nanomaterials and electrochemical energy storage performance and demonstrate renewable energy storage on the nanoscale.
Rationale: Changing the title to reflect the course topic more accurately.

College of Health and Public Affairs Course Revisions

HAS 6178 Financial Management for Health Care Managers 4(4,0)

PR: Admission to Health Sciences M.S., Executive Health Services Administration ~~track~~; track: HSA6179.

Application and integration of advanced accounting and financial principles to develop solutions to specific problems encountered in today's health care organizations.

Rationale: To ensure students progress through the program with the appropriate course sequence

College of Optics and Photonics Course Revisions

OSE 6125 Computational Photonics 3(3,0)

PR: Graduate standing, ~~OSE 6111 and OSE 6432~~, 6111 or C.I.

Computational methods for photonic guided wave structures, periodic structures, and integrated photonic structures and devices.

Discussion with others: Requested approval from both Physics and Engineering. Engineering (Kalpathy Sundaram) approved to go forward. Physics (Eduardo Mucciolo) approved to go forward.

Rationale: This is an update to pre-requisites only. Majors taking course: None - elective only

OSE 6421 Integrated Photonics 3(3,0)

PR: Graduate ~~standing~~ standing, OSE 6111 or C.I.

Reviews working principle, system functionality and design and fabrication issues of semiconductor integrated photonic devices and circuits for optical telecommunication and interconnect applications.

Discussion with others: Request sent to Physics and EE for approval to go forward. EE - Approval received from Kalpathy Sundaram. Physics - Approval received from Eduardo Mucciolo. Rationale: This is a pre-requisite update only

Majors taking course: elective course in Optics

OSE 6445 Fundamentals of Ultrafast Optics 3(3,0) PR:

Graduate standing, and ~~OSE 5044 or OSE 6111~~ or PHY 5346, and OSE 6525, or C.I.

Introductory concepts: Ultrafast Optical Signal Generation, Ultrafast Signal Detection, Ultrafast Optical Signal Transmission, and Ultrafast Optical Signal Processing.

Discussion with others: Requested approval to go forward from EE and Physics. EE - Approval received from Kalpathy Sundaram. Physics - Approval received from Eduardo Mucciolo. Rationale: This is a pre-requisite update only.

Rationale: This course is not part of any degree program

ECO 6505 **BA-ECON** **3(3,0)**

Public Economics PR: ECO 6118 or equivalent. and ECO 6403 or equivalent. Analysis of how government activities influence resource allocation, relative prices, and welfare, including public goods theory, tax incidence, and optimal taxation theory.

Discussion with others: Not Applicable

Rationale: This course is not part of any degree program

ECO 7117 **BA-ECON** **3(3,0)**

Advanced Topics in Economic Theory PR: ECO 7116 and ECO 7205. Advanced topics in economic theory, including comparative statics, atemporal duality theory, comparative dynamics and intertemporal duality theory, differential game theory, and the economics of information.

Discussion with others: Not Applicable

Rationale: This course is not part of any degree program

ECO 7205 **BA-ECON** **3(3,0)**

Macroeconomic Theory II PR: ECO 6206 (or equivalent), ECO 6403 (or equivalent), and ECO 6118 (or equivalent). The study of classical, neoclassical, and endogenous growth theories and their application to contemporary economic problems.

Discussion with others: Not Applicable

Rationale: This course is not part of any degree program

ECP 7306 **BA-ECON** **3(3,0)**

Environmental Economics PR: ECP 6309. The application of economic theory and methods to the evaluation of the effects of economic activity on the environment with selected applications.

Discussion with others: Not Applicable

Rationale: This course is not part of any degree program

ECP 7307 **BA-ECON** **3(3,0)**

Research Seminar PR: ECO 7426, ECP 7311, ECP 7306, or C.I. Students conduct and evaluate research in their chosen field of specialization. Student projects are prepared with faculty consultation and are presented as part of the seminar.

Discussion with others: Not Applicable

Rationale: This course is not part of any degree program

ECP 7311 **BA-ECON** **3(3,0)**

Natural Resource Economics PR: ECP 6309. Advanced treatment of dynamic principles in optimal renewable and nonrenewable resource consumption and the role of natural resources in economic development and international trade.

Discussion with others: Not Applicable

Rationale: This course is not part of any degree program

GEB 6515 **BA-MAN** **1.5(1.5,0)**

Innovation Management PR: Admission to approved College of Business Administration graduate program, C.I. Course focuses on the management of technological innovation. Topics include new product development, types of technological change, technology new ventures, and

corporate renewal.

Discussion with others: NA

Rationale: Course not offered in 5 years. Course is really a 1.5 hour credit class, but UC2 system would not let me submit without changing the credits.

MAN 5037 **BA-MAN** **1.5(1.5,0)**

Management Foundations PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control.

Discussion with others: NA

Rationale: Course has not been taught in 5 years. Course is a 1.5 credit hour course, but UC2 system would not allow me to submit without changing format of hours to 1.

MAN 5050 **BA-MAN** **2(2,0)**

Management Concepts PR: Acceptance in MBA program. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control.

Discussion with others: NA

Rationale: Course has not been taught in 5 years.

MAN 6068 **BA-MAN** **1.5(1.5,0)**

Business Ethics and Social Responsibility PR: Admission to approved an Business Administration graduate program, C.I. A broad understanding of decision making within the context of ethical, social responsibility, and diversity issues in business.

Discussion with others: NA

Rationale: Course has not been taught in 5 years. Course is a 1.5 credit hour course, but UC2 system would not let me submit without changing the credit hour format to 1.

MAN 6116 **BA-MAN** **3(3,0)**

Managing A Diverse Workforce PR: MAN 6285. Course designed to provide students with an understanding of managing a diverse workforce.

Discussion with others: NA

Rationale: Course has not been taught in 5 years.

MAN 6158 **BA-MAN** **3(3,0)**

Human Resources Management Issues PR: MAN 6305 or C.I. A course providing advanced study in selected topics of current interest in human resource management.

Discussion with others: NA

Rationale: Course has not been taught in 5 years.

MAN 6299 **BA-MAN** **3(3,0)**

Creative and Innovative Management PR: Graduate standing or C.I. This course examines the emerging theories and practices related to creative and innovative management. It combines the creativity of new concepts, new ideas, new directions, and the like with their innovative implementation in a management context.

Discussion with others: NA

Rationale: Course has not been taught in 5 years.

MAN 6323 **BA-MAN** **3(3,0)**
Human Resources Information Systems PR: MAN 6305 or C.I. Planning, designing, selecting, implementing, and maintaining human resource information systems.

Discussion with others: NA

Rationale: Course has not been taught in 5 years.

MAN 6449 **BA-MAN** **3(3,0)**
Alternative Dispute Resolution PR: Graduate standing or C.I. Theory and practice of conciliation, mediation, fact finding, and arbitration as alternatives to business litigation.

Discussion with others: NA

Rationale: Course has not been offered in over 5 years

MAN 6508 **BA-MAN** **3(3,0)**
Service Organizations and Operations Management PR: Acceptance in a graduate business program of study. In-depth study of the unique characteristics, challenges, and quantitative techniques associated with managing organizations in the service sector.

Discussion with others: NA

Rationale: Course has not been taught in 5 years.

MAN 6515 **BA-MAN** **3(3,0)**
Research and Development Management PR: Graduate standing and MAN 5050. An examination of the function of research and development and the impact of technological innovation on our economic and social systems.

Discussion with others: NA

Rationale: Course has not been taught in 5 years.

MAN 6581 **BA-MAN** **3(3,0)**
Project Management PR: Acceptance into a graduate business program of study. Examination of project management, the role it plays in the strategic focus of the organization, and its importance in satisfying the needs of customers.

Discussion with others: NA

Rationale: Course has not been taught in 5 years.

MAN 6774 **BA-MAN** **1.5(1.5,0)**
Executive Leadership PR: Admission to approved an Business Administration graduate program, C.I. Review of organizational leadership theory and practice. Special attention given to contemporary issues such as transactional and transformational leadership, diversity, and social responsibility.

Discussion with others: NA

Rationale: Course has not been taught in 5 years. Course is a 1.5 credit hour course, but UC2 system would not let me submit without changing the credit hour format to 1.

MAN 7075 **BA-MAN** **3(3,0)**
Foundations of the Management Discipline PR: PhD standing. Presents seminal contributions that have profoundly affected the evolution of the management discipline, and examines social dynamics that influence the development of ideas.

Discussion with others: NA

Rationale: Course has not been taught in 5 years.

MAN 7306 **BA-MAN** **3(3,0)**

Seminar in Human Resources Management PR: Graduate standing or C.I. Course provides a graduate level overview of theory and research in human resources management. Topics covered include human resources strategy, legal issues, staffing, training, performance appraisal and compensation.

Discussion with others: NA

Rationale: Course has not been taught in 5 years.

MAN 7777 **BA-MAN** **3(3,0)**

Corporate-level Strategic Management PR: Admission to doctoral program and C.I. In-depth review of the classic and modern corporate-level strategy research literature, which deals with topics such as diversification, cooperative alliances and acquisitions strategies.

Discussion with others: NA

Rationale: Course has not been taught in 5 years.

ISM 6023 **BA-MIS** **3(3,0)**

Information Systems Usability PR: CBA master's program of study foundation core, MS MIS foundation core, or C.I. Students learn and apply the theories and methods of information systems usability, with an emphasis on user-centered design.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6121 **BA-MIS** **3(3,0)**

Advanced Information Systems Analysis and Design PR: MS MIS technical foundation core and CBA master's program of study foundation core. This course covers advanced topics of information systems development, including analysis of system requirements, design, implementation and operation.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6158 **BA-MIS** **3(3,0)**

ERP Implementation PR: ISM 6121, ISM 6217. The course is an overview of Enterprise Resource Planning (ERP). It focuses on the impact of ERP systems on organizations. Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6217 **BA-MIS** **3(3,0)**

Advanced Database Administration PR: MS/MIS Technical Foundation Core and CBA master's program of study foundation core. This course covers various database technologies

in business organizations, including database systems, multidatabase systems, data warehousing, data mining, and object-oriented databases.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6227 **BA-MIS** **3(3,0)**

Management of Telecommunications PR: MS/MIS Technical Foundation Core and CBA master's program of study foundation core. This course will focus on the strategic management of networks (voice, video, image, and data). Coverage includes network management systems, LANs and the internet.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6305 **BA-MIS** **3(3,0)**

Information Resources Management PR: CBA master's program of study foundation core. This course provides an investigate of issues relevant to effectively managing IT activities and the challenges facing IT managers and some potential solutions to deal with them.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6367 **BA-MIS** **3(3,0)**

Strategic Information Systems PR: MBA Professional Core I. Management and strategic use of enterprise digital platforms (i.e., enterprise resource planning, customer relationship management, supply chain management) to support internal and external business partnerships.

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6368 **BA-MIS** **3(3,0)**

Business Knowledge Management Systems PR: Admission to MS MIS program. Principles of Organization Knowledge Management (KM), focusing on information systems that assist in the creation and management of knowledge.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6395 **BA-MIS** **3(3,0)**

Seminar - Management Information System PR: ISM 6305, ISM 6121, and graduate standing. This seminar covers theoretical foundations and current research directions in management information systems. Topics include organizational and managerial processing; systems design, development and implementation.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6407 **BA-MIS** **3(3,0)**

Decision Support Systems PR: CBA master's program of study foundation core. This course addresses several aspects of organizational decision-making, including: decision support, operation system management, and data mining.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6422 **BA-MIS** **3(3,0)**

Intelligent Systems for Business Applications PR: CBA master's program of study foundation core and ISM 6407. An introduction to expert systems and data mining in the context of business applications.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6485 **BA-MIS** **3(3,0)**

Electronic Commerce PR: MS MIS Technical Foundation Core and CBA master's program of study foundation core. This course will provide an understanding of electronic commerce, including an overview of the infrastructure and technologies, comparative analysis of markets, e-commerce applications, and website development. Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6537 **BA-MIS** **3(3,0)**

Quantitative Models for Business Decisions PR: CBA master's program of study foundation core. Quantitative techniques useful for the solution of business problems. Mathematical model building to aid the decision-making process is stressed.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6539 **BA-MIS** **3(3,0)**

Service Organizations and Operations Management PR: CBA master's program of study foundation core. In-depth study of the unique characteristics, challenges, and quantitative techniques associated with managing organizations in the service sector.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 6930 **BA-MIS** **3(3,0)**

Seminar in Management Information Systems PR: MS/MIS technical foundation core and CBA master's program of study foundation core. This course will focus on current MIS topics of technological and management relevance.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 7027 **BA-MIS** **3(3,0)**

Systems Support of Organizational Decision Making PR: Doctoral standing and C.I.

This course focuses on support systems for organizational decision making, including knowledge management systems.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 7029 **BA-MIS** **3(3,0)**

Organizational Impacts of Information Technology PR: Doctoral standing and C.I.

Examination of impact of IT, IT-based innovation, and IT management in organizations.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 7317 **BA-MIS** **3(3,0)**

Information System Project Implementation and Management PR: C.I. Research issues in information systems project implementation and management.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 7909 **BA-MIS** **3(3,0)**

Comprehensive Research Project PR: Doctoral standing and C.I. This course allows students to conduct a research project of limited scope from idea to execution to manuscript preparation. Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 7916 **BA-MIS** **3(3,0)**

Seminar on Behavioral Information Systems Research PR: Doctoral standing and C.I.

This research seminar focuses on research in the use of information technology by individuals, groups, and organizations.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 7926 **BA-MIS** **1(1,0)**

Management Information Systems Research Forum PR: Doctoral standing and C.I.

Research and pedagogical issues in information systems, including research presentations by faculty, doctoral students, and invited scholars.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 7936 **BA-MIS** **3(3,0)**
Seminar on Technical Information Systems Research PR: Doctoral standing and C.I. This research seminar focuses on current research in the technical fields of Information Systems. It covers both research areas and research methods.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

ISM 7938 **BA-MIS** **3(3,0)**
Theoretical Foundations for Information Systems Research PR: Doctoral standing and C.I. This course is a PhD seminar on using theory in information systems research.

Discussion with others: NA

Rationale: MIS major no longer exists. Course has not been taught in over 5 years and will not be taught again in the future.

College of Education and Human Performance Course Deletions

ELD 6146 **ED-CFCS** **3(3,0)**
Instructional Strategies for Students with Learning Disabilities Instructional strategies for students with specific learning disabilities to include development, implementation, and evaluation of individualized educational plans and adaptation of curriculum and materials.

Rationale: This course is no longer offered as a requirement in a CEDHP degree program.

ELD 6944 **ED-CFCS** **1(0,1)**
Diagnostic Learning-Disabilities Laboratory CR: ELD 6112 (Foundations and Diagnosis of LD). A laboratory designed for individual competence measurement of testing evaluation skills.

Rationale: This course is no longer offered as a requirement in a CEDHP degree program.

EMR 6365 **ED-CFCS** **3(3,0)**
Teaching Students with Mental Disabilities Strategies for teaching students with mental disabilities: development, implementation, and evaluation of individualized plans; special approaches to teaching functional skills; developmental programming; data-based management.

Rationale: This course is no longer offered as a requirement in a CEDHP degree program.

EME 6459 **ED-E&HS** **1(1,0)**
Course Design for Hybrid and Online PR: Angel Instructor Training (AIT) and C.I. Participants will master techniques and best practices for hybrid course development and delivery using tools and methods to foster optimal learner engagement and achievement.

Rationale: This course is no longer needed in the CEDHP.

EME 6605 **ED-E&HS** **3(3,0)**
Role of the Media Specialist in Curriculum and Instruction PR: Acceptance into Ed Media Program or C.I. Development of skills in instruction and instructional design. Emphasis on

teaching, consultation, and media skills and curricular involvement of the media specialist.
Rationale: This course is no longer needed in the CEDHP.

EME 6706 **ED-E&HS** **3(3,0)**
Administrative Principles in Media Centers PR: Acceptance in Ed Media program or C.I. Principles of planning, evaluating, budgeting, staffing, and marketing the school media program. Development of policies and procedures for the school media center, legislation technology, professionalism.
Rationale: This course is no longer needed in the CEDHP.

HSC 5317 **ED-E&HS** **3(3,0)**
Health Methods: Teaching Strategies and Interventions PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, methodology, and curriculum to develop a comprehensive school health program.
Rationale: This course is no longer needed in the CEDHP.

College of Engineering and Computer Science Course Deletions

College of Nursing Course Deletions

NGR 6242 **CON-NURS** **2(2,0)**
Adult II for APNs PR: Admission to MSN program or a nursing certificate track; NGR 6240. CR: NGR 6242L (for ANP track). Development of theoretical foundation for the evaluation, diagnosis, and management of the complex health needs of adults.
Discussion with others: Not applicable
Rationale: Course not longer taught

NGR 6242L **CON-NURS** **2(0,2)**
Adult II Clinical for APNs PR: Admission to M.S. in Nursing program, Nursing certificate, Adult Nurse Practitioner track, NGR 6240; NGR 6240L (Family Nurse Practitioner, Adult Nurse Practitioner tracks). CR: NGR 6242. Application of theory and skills for the evaluation, diagnosis, and management of the complex health needs of adults. Graded S/U. May be repeated for credit. Discussion with others: Not applicable
Rationale: Course no longer taught

NGR 6335 **CON-NURS** **2(2,0)**
Focused Pediatrics for APNs PR: Admission to M.S. in Nursing program, Nursing certificate or track, NGR 6331, NGR 6331L (for Pediatric Nurse Practitioner students). CR: 6335L (for PNP students). Development of advanced knowledge in the physical and developmental assessment of children and families across the lifespan.
Discussion with others: Not applicable
Rationale: Course no longer taught

NGR 6336 **CON-NURS** **3(3,0)**
Medically Complex Infants and Toddlers PR: Admission to the Infant and Toddler Development Specialist Certificate program or the M.S. in Nursing Program. Biomedical risk

the Clinical Nurse Specialist. Graded S/U. May be used in the degree program a maximum of 2 times.

Discussion with others: Not applicable

Rationale: Course no longer taught

NGR 6819 **CON-NURS** **3(3,0)**

Client Health Empowerment PR: Enrollment in a graduate health program or C.I. Analysis of the research and application of interventions that promote empowerment in health care delivery for diverse populations. May be used in the degree program a maximum of 2 times.

Discussion with others: Course no longer taught

Rationale: Course no longer taught

NGR 7176 **CON-NURS** **3(3,0)**

Advanced Pharmacology for Advanced Practice Nursing PR: Admission to DNP and National Certification for APN Specialty or C.I. Comprehensive understanding and application of pharmacotherapeutics for acute and complex patients throughout the life span. May be used in the degree program a maximum of 2 times.

Discussion with others: Not applicable

Rationale: Course no longer taught

College of Optics and Photonics Course Deletions

OSE 6118 **OPT-OPT** **3(3,0)**

Optical Propagation in Inhomogeneous Media PR: Graduate standing or C.I. Basic concepts of optical wave scattering and propagation in inhomogeneous media with applications to material sciences, optical remote sensing, biomedical optics, imaging, and image analysis.

Discussion with others: Request Sent to EE and Phy to go forward with deletion: EE:

Approved by Kalpathy Sundaram. PHY: Approved by Eduardo Mucciolo.

Rationale: This course has only been taught one time in 10 years, and that one instance was more than 5 years ago. There is no intention to offer this course again.

College of Sciences Course Deletions

STA 5045 **COS-COMM** **3(3,0)**

Statistical Analysis of Communication Data PR: STA 2023 or C.I. Descriptive statistics; correlation; bivariate, multiple and logistic regression; reliability and validity; effect size, power, confidence intervals; one and two sample tests; ANOVA; categorical data analysis.

Discussion with others: NSC deleted course from their curriculum.

Rationale: Course deleted from Communication curriculum; no longer needed. Emails available upon request.

PHY 5455 **COS-PHYS** **3(3,0)**

Modern X-ray Science PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays.

Discussion with others: n/a

Rationale: This course was offered by an affiliated faculty who is not interested in offering it again. The course is not seen as a current curriculum priority.

PHY 5650 **COS-PHYS** **3(3,0)**

Introduction to Quantum Computation PR: C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students.

Discussion with others: n/a

Rationale: This course was offered once, but it overlaps with a similar course offered by Computer Science.

PHY 5705 **COS-PHYS** **1(1,0)**

Physics of Graphene and Carbon Nanotubes PR: PHZ 4404 or equivalent, or C.I.

Advanced topics in carbon nanotubes and graphene sheets by presentation and discussion of current literature.

Discussion with others: n/a

Rationale: This course has never been offered. There is no faculty willing to teach it and does not constitute a current curriculum priority.

PHY 5846C **COS-PHYS** **3(3,3)**

Methods of Experimental Physics PR: Graduate status or senior standing or C.I.

Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy.

Discussion with others: n/a

Rationale: This was originally a mandatory course for graduate students in the department. As an elective, it is found redundant and not necessary anymore.

PHY 6939 **COS-PHYS** **1(1,0)**

Physics Research Seminar PR: Graduate standing or C.I. Modern experimental and theoretical research methods and current topics will be presented by local and invited researchers in physics. Graded S/U. May be used in the degree program a maximum of 3 times.

Discussion with others: n/a

Rationale: Given the current course load on graduate students in the Physics department, this course is not needed anymore.

PHY 7423 **COS-PHYS** **3(3,0)**

Physics of Nanostructures PR: PHY 6624 or C.I. Electronic properties of mesoscopic nanostructures, conductance as transmission, s-matrix and Green's functions, localization, universal conductance fluctuations, single electron tunneling, chaos, nonequilibrium transport.

Discussion with others: n/a

Rationale: Created by a former physics faculty, it overlaps with another course active in the department.

PHZ 5045 **COS-PHYS** **3(3,0)**

Attosecond Laser Physics PR: PHY 5606, PHY 5346 or PHY 4324, or C.I. Technique for

generating attosecond optical pulses using both semi-classical models and quantum mechanics theories. Illustrative examples of attosecond applications.

Discussion with others: n/a

Rationale: This course was created more than five years ago and never offered. Not seen as a curriculum priority by the department at this time.

PHZ 5445 **COS-PHYS** **3(3,0)**

Nanofabrication using Focused Ion Beam PR: Graduate standing or C.I. Basic theory of ion-solid interaction; fundamental principle of focused ion beam instrument and its applications in nanofabrication; other ion beam techniques.

Discussion with others: n/a

Rationale: This course won't be offered anymore. It was too specialized and had low demand.

PHZ 6446 **COS-PHYS** **3(3,0)**

Selected topics in Physics of Semiconductors and Devices PR: PHZ 6426 or C.I. Theory of semiconductor physics and devices.

Discussion with others: n/a

Rationale: This course won't be offered anymore. It was too specialized and had low demand.

INR 6086 **COS-POLS** **3(3,0)**

International Public Policy PR: Graduate standing. Examines endogenous and exogenous variables involved in selected issues in the arena of international public policy.

Discussion with others: n/a

Rationale: Course not offered in 5-years.

INR 6096 **COS-POLS** **3(3,0)**

International Drug Policy PR: Admission to degree-seeking program or C.I. Overview of drug use/abuse around the globe, debating the issues associated with international drug dealing and trafficking and analyzing the U.S. "War on Drugs".

Discussion with others: n/a

Rationale: Course not offered in 5-years.

SYP 5615 **COS-SOC** **3(3,0)**

Sociology of Culture PR: Graduate standing or C.I. Major theoretical approaches and empirical studies in the sociology of culture and analysis of cultural processes.

Discussion with others: None.

Rationale: Course was created by a faculty member no longer with UCF. Currently there are no faculty available to offer course on an occasional basis.

5. Course Continuations

College of Arts and Humanities Course Continuations

ASH 5229 **CAH-HIST** **3(3,0)**

History of the Middle East PR: Graduate standing or C.I. Selected topics in the history of the modern Middle East. May be used in the degree program a maximum of 2 times only when

course content is different.

Rationale: We haven't taught it recently because of scheduling issues. We have hired Dr. Sohns, a specialist in US in the Middle East, who will be teaching this course in Fall 2017.

MUE 5348C **CAH-MUSIC** **4(4,0)**

K-12 Music Methods PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education, K-12. Instructional planning, techniques, and materials for general, choral, and instrumental music education.

Rationale: We haven't been able to teach the course due to scheduling conflicts. This course will be taught in Spring 2017.

MVK 5650 **CAH-MUSIC** **2(2,0)**

Piano Pedagogy PR: Graduate standing in Music or C.I. Techniques, methods, and experiences of former and current pedagogues to equip students for current or future piano teaching.

Rationale: Recent faculty changes have resulted in altered plans for course offerings. For this time, the school would like to keep this course as an option for future course offerings.

FIL 5414 **CAH-SVAD** **3(3,0)**

Film Vision, Scope & Financing PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, making, and distributing a digital, microbudget motion picture.

Rationale: We request to continue this course so that it may be incorporated into our revised Film MFA in Emerging Media.

THE 6308 **CAH-THEA** **3(3,0)**

Script and Score Analysis PR: Admission to MFA Musical Theatre program. Representative works from the musical theatre repertoire analyzed as dramatic and musical literature.

Rationale: Script Analysis is part of the MFA in Musical Theatre curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep this course until further plans are made regarding this track.

TPA 6097C **CAH-THEA** **3(2,2)**

Advanced Rendering and Modeling II PR: TPA 6096C. A continuation of Advanced Rendering and Modeling I with an emphasis on creating a professional portfolio of advanced work. May be used in the degree program a maximum of 3 times.

Rationale: Advanced Rendering and Modeling II is part of the MFA in Theatre Design curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep this course until further plans are made regarding this track.

TPA 6106C **CAH-THEA** **3(2,2)**

Sound Design Studio PR: MFA Design candidate, Advanced Problems in Design I. Advanced work in the process of designing sound for the stage with an emphasis on the use of sound as artistic expression.

Rationale: Recent faculty changes have resulted in altered plans for course offerings. For this time, the school would like to keep this course as an option for future course offerings.

SPM 5308 **ED-E&HS** **3(3,0)**
Marketing and Promoting Sports and Fitness Programs PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events.
Rationale: The department wants to keep this course active.

College of Medicine Course Continuations

MCB 5932 **COM-BSBS** **VAR(VAR,VAR)**
Current Topics in Molecular Biology PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit.
Rationale: We are in process of hiring additional faculty who will be involved in 3 new tracks which will involve these courses in the near future.

PCB 6595 **COM-BSBS** **3(3,0)**
Regulation of Gene Expression PR: Advanced course in molecular biology of BSC 6407C. Concepts of molecular biology focusing on major areas in transcriptional and translational processes.
Rationale: We are in process of hiring additional faculty who will be involved in 3 new tracks which will involve these courses in the near future

College of Sciences Course Continuations

BSC 5332 **COS-BIOL** **3(3,0)**
Invasion Biology PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems.
Rationale: Expected to be taught by new Plant Biologist hire in Fall 2017.

ZOO 6520 **COS-BIOL** **3(3,0)**
Behavioral Ecology PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the field of Behavioral Ecology, which studies evolution of animal behavior in the wild.
Rationale: The Biology Department hired a behavioral ecologist who will begin teaching the course as soon as possible.

AST 5334 **COS-PHYS** **3(3,0)**
Extrasolar Planets and Brown Dwarfs PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamics, detection, and environments. Rationale: This class was originally taught by Prof. Eduardo Martin (former Physics faculty), who had a non-tenure-track position that was cut during the economic crash. The class was popular. This is one of the most quickly developing areas in modern astronomy and the class prepares students to participate in existing faculty research. There is high interest among students.

EXP 5254

COS-PSYCH

3(3,0)

Human Factors and Aging PR: Graduate standing, post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design.

Rationale: Recently hired 3 new faculty members that are experts in aging. Anticipate the course will be offered in the near future as an elective.

Graduate M&S Fees Minutes

November 9, 2016

Blue highlighting = Fee decrease

College	Course	Title	Current Fee	Requested Fee	Approved Fee
CAH	MUN 5445	Percussion Ensemble	\$ 35.00	\$ 35.00	\$35.00
CAH	MUO 5505L	Graduate Opera Workshop	\$ 70.00	\$ 70.00	\$70.00
COS	PCB 7049C	Conservation Biology Prac...	\$ 70.00	\$ 0.00	\$ 0.00
HPA	SPA 6204	Articulation/Phonological...	\$ 45.00	\$ 18.24	\$18.00
HPA	SPA 6211C	Voice Disorders	\$ 15.00	\$ 14.74	\$15.00
HPA	SPA 6474	Assessment and Management...	\$ 60.00	\$ 64.34	\$60.00
HPA	SPA 6496	Language Disorders in Chi...	\$ 70.00	\$ 70.00	\$70.00
HPA	SPA 6943C	Clinical Practice Level I	\$ 40.00	\$ 40.32	\$40.00
HPA	PHT 5125L	Clinical Kinesiology Lab	\$ 35.00	\$ 35.37	\$35.00
HPA	PHT 5218L	Theories and Procedures I...	\$ 30.00	\$ 35.64	\$30.00
HPA	PHT 5240L	Physical Assessment Lab	\$ 45.00	\$ 48.26	\$45.00
HPA	PHT 5260L	Patient Care Skills Lab	\$ 30.00	\$ 33.62	\$30.00
HPA	PHT 5718L	Neurological Physical The...	\$ 30.00	\$ 33.30	\$30.00
HPA	PHT 6115C	Gross Anatomy/Neuroscienc...	\$ 70.00	\$ 70.00	\$70.00
HPA	PHT 6118C	Gross Anatomy/Neuroscienc...	\$ 70.00	\$ 70.00	\$70.00
HPA	PHT 6156C	Applied Human Physiology ...	\$ 25.00	\$ 29.53	\$25.00
HPA	PHT 6219L	Theories and Procedures I...	\$ 45.00	\$ 44.96	\$45.00
HPA	PHT 6242L	Orthopedic Physical Thera...	\$ 40.00	\$ 39.55	\$40.00
HPA	PHT 6719L	Advanced Neurological Phy...	\$ 25.00	\$ 29.43	\$25.00

MUN 5445**CAH-MUSIC****1(0,2)**

Percussion Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. *Odd Fall.*

Materials & Supply Fee proposed revision: from \$35.00 to \$35.00

Brief description of fee use:

Percussion students practice on UCF owned equipment & instruments. Snare drums, bass drums, tom-toms, World Music drums, and timpani all have "drum heads" that are struck repeatedly by the students. Their heads are made of plastic or animal skin and break or rip on a regular basis. The students practice on mallet keyboard instruments. The bars are suspended by a custom made rope and the rope breaks after a number of hours of the bars being struck. Cymbals are suspended via straps and felts and they need to be replaced as they wear out. Although breakage and wear occurs throughout the semester, all of these items need to be replaced at least annually. New sheet music also needs to be purchased each semester.

Each item below is per **2** students

# units/2 students	Description	cost/2 students	Denied	
			Committee	Provost
1. 4 sets	Ensemble Sheet Music (score and parts)	\$ 50.00	<input type="checkbox"/>	<input type="checkbox"/>
2. 2 sets	Cymbal Straps and Felts	\$ 5.00	<input type="checkbox"/>	<input type="checkbox"/>
3. 2 sets	Key board ropes	\$ 5.00	<input type="checkbox"/>	<input type="checkbox"/>
4. 2	Drumheads	\$ 10.00	<input type="checkbox"/>	<input type="checkbox"/>
Total:		\$ 70.00		
per 1 student		\$ 35.00		

MUO 5505L**CAH-MUSIC****1(0,3)**

Graduate Opera Workshop: PR: C.I. and audition. Study of audition techniques, operatic roles and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times.

Materials & Supply Fee proposed revision: from \$70.00 to \$70.00

Brief description of fee use:

This fee is used to purchase musical scores, costumes, make-up, and sets/properties used in UCF opera productions. The students are not required to purchase a textbook or any other course materials, and it is more practical to purchase the materials in bulk rather than for students purchase them.

Each item below is per **2** students

Denied

	# units/2 students	Description	cost/2 students	Committee	Provost
1.	2	Costumes	\$ 60.00	<input type="checkbox"/>	<input type="checkbox"/>
2.	2	Make-up	\$ 10.00	<input type="checkbox"/>	<input type="checkbox"/>
3.	2	Musical score	\$ 70.00	<input type="checkbox"/>	<input type="checkbox"/>
Total:			\$140.00		
per 1 student			\$ 70.00		

PCB 7049C

COS-BIOL

4(2,4)

Conservation Biology Practice: PR: Acceptance into the Conservation Biology Ph.D. program. Case studies and evaluation of local and regional conservation issues from a biological perspective. *Spring.*

Materials & Supply Fee proposed revision: from \$70.00 to \$0.00

Brief description of fee use:

Course is now PCB 6053C which has a fee. Delete fee.

Each item below is per **5** students

	# units/5 students	Description	cost/5 students	Committee	Provost	Denied
Total:			\$ 0.00			
per 1 student			\$ 0.00			

SPA 6204

HPA-COM SC&DIS

3(3,0)

Articulation/Phonological Disorders: PR: Admission to M.A. in Communication Sciences and Disorders or C.I. Advanced theory, diagnosis, and treatment of articulation/phonological disorders including developmental apraxia of speech, dysarthria, and cleft palate; communicative differences vs. disorders emphasized. *Fall, Spring, Summer.*

Materials & Supply Fee proposed revision: from \$45.00 to \$18.24

Brief description of fee use:

Students learn to conduct clinical assessments, examine treatments that would be appropriate for the presenting speech and/or phonological problem and develop treatment plans for simulated clients. To become knowledgeable and proficient in this disorder area, students require access to the materials and supplies listed. Note that the protocols listed are necessary for student exposure, because the tests associated with the them will be used when the students enter their clinical portion of the program. Further, students perform oral peripheral and oro-motor examinations in the class, thus the need for sterile tongue blades and gloves.

Each item below is per **105** students

	# units/105 students	Description	cost/105 students	Denied	
				Committee	Provost
1.	2	Medline Sterile Tongue Depressors	\$ 17.00	<input type="checkbox"/>	<input type="checkbox"/>
2.	2	Powdered Nitrile Medical Gloves	\$ 17.00	<input type="checkbox"/>	<input type="checkbox"/>
3.	5	Khan-Lewis Phonological Analysis-3rd Edition	\$ 295.00	<input type="checkbox"/>	<input type="checkbox"/>
4.	1	Hodson Computerized Analysis of Phonological Processes	\$ 130.00	<input type="checkbox"/>	<input type="checkbox"/>
5.	5	Goldman-Fristoe Test of Articulation-3rd Edition	\$ 200.00	<input type="checkbox"/>	<input type="checkbox"/>
6.	1	Diagnostic Evaluation of Articulation and Toddler Phonology (DEAP and TPT)	\$ 400.00	<input type="checkbox"/>	<input type="checkbox"/>
7.	3	Clinical Assessment of Articulation and Phonology CAAP forms 2nd edition	\$ 138.00	<input type="checkbox"/>	<input type="checkbox"/>
8.	1	LinguiSystem Articulation Test (LAT)	\$ 180.00	<input type="checkbox"/>	<input type="checkbox"/>
9.	5	DEAP & TPT Phonology forms	\$ 169.00	<input type="checkbox"/>	<input type="checkbox"/>
10.	5	DEAP and TPT Articulation and Oro-Motor forms	\$ 169.00	<input type="checkbox"/>	<input type="checkbox"/>
11.	1	Clinical Assessment of Articulation and Phonology App	\$ 200.00	<input type="checkbox"/>	<input type="checkbox"/>
Total:			\$1915.00		
per 1 student			\$ 18.24		

SPA 6211C

HPA-COM SC&DIS

4(3,1)

Voice Disorders: PR: Admission to M.A. in Communication Sciences and Disorders or C.I. Study of the etiology, evaluation, and management of voice disorders in children and adults, with laboratory demonstration and participation. *Fall, Spring.*

Materials & Supply Fee proposed revision: from \$15.00 to \$14.74

Brief description of fee use:

Course includes hands-on training with endoscopy (flexible and rigid). The system requires replacement items from frequent use and disposables for every use. Hands on training for laryngectomy requires exposure and use of various medical supplies. Some of these supplies are one-time use and others need replacement with use during the semester (electrolarynx, batteries, prosthesis).

Each item below is per 1 students

Denied

	# units/1 students	Description	cost/1 students	Committee	Provost
1.	1	Cotton Balls	\$ 0.17	<input type="checkbox"/>	<input type="checkbox"/>
2.	1	Alcohol Preps	\$ 0.28	<input type="checkbox"/>	<input type="checkbox"/>
3.	1	Cidex	\$ 0.57	<input type="checkbox"/>	<input type="checkbox"/>
4.	1	Hand Soap	\$ 0.22	<input type="checkbox"/>	<input type="checkbox"/>
5.	1	Gloves	\$ 0.51	<input type="checkbox"/>	<input type="checkbox"/>
6.	1	4 X 4 Gauze	\$ 0.51	<input type="checkbox"/>	<input type="checkbox"/>
7.	1	Tongue blades	\$ 0.25	<input type="checkbox"/>	<input type="checkbox"/>
8.	1	Batteries for Electrolarynx	\$ 0.34	<input type="checkbox"/>	<input type="checkbox"/>
9.	1	Disposable tubes/filters	\$ 0.50	<input type="checkbox"/>	<input type="checkbox"/>
10.	1	Tracheoesophageal prosthesis (various sizes/types)	\$ 7.00	<input type="checkbox"/>	<input type="checkbox"/>
11.	1	Laryngectomy Kit (incl. stoma cover and lary tube heat moisture exchange system)	\$ 4.20	<input type="checkbox"/>	<input type="checkbox"/>
12.	1	Box of Straws	\$ 0.19	<input type="checkbox"/>	<input type="checkbox"/>
Total:			\$ 14.74		
per 1 student			\$ 14.74		

SPA 6474

HPA-COM SC&DIS

3(3,0)

Assessment and Management of Culturally and Linguistically Diverse Populations: PR: Admission to MA in Communication Sciences or C.I. Role of native and second languages, dialects and culture in the assessment and management of individuals from culturally and linguistically diverse backgrounds. *Fall, Spring.*

Materials & Supply Fee proposed revision: from \$60.00 to \$64.34

Brief description of fee use:

Students are required to become familiar with a variety of assessment instruments used to assess English learners in order to determine if there is a communication difference versus a communication disorder. Students are required to read test manual, administer and use test protocols to better understand test administration, scoring and recommendation. Students must also become familiar with a variety of treatment protocols, approaches and/or strategies used to support the English learner with a communication disorder as they progress through their K-12 academic program or prepare treatment programs for adults with communication disorders for whom English is not their primary language.

Each item below is per 1 students

# units/1 students	Description	cost/1 students	Committee	Provost
			Denied	

1.	1	Wookcock-Munoz Lang Survey - English Test Records	\$ 1.43	<input type="checkbox"/>	<input type="checkbox"/>
2.	1	Wookcock-Munoz Lang Survey - Spanish Test Records	\$ 1.43	<input type="checkbox"/>	<input type="checkbox"/>
3.	1	Preschool Language Scale - Span Record Forms	\$ 1.57	<input type="checkbox"/>	<input type="checkbox"/>
4.	1	Multilingual Aphasia Exam - Spanish Spelling/Aural/Reading	\$ 0.86	<input type="checkbox"/>	<input type="checkbox"/>
5.	1	Multilingual Aphasia Exam - Spanish Token Test	\$ 0.86	<input type="checkbox"/>	<input type="checkbox"/>
6.	1	Multilingual Aphasia Examination - Spanish Visual Naming	\$ 0.86	<input type="checkbox"/>	<input type="checkbox"/>
7.	1	Multilingual Aphasia Exam - Spanish Word Association	\$ 0.86	<input type="checkbox"/>	<input type="checkbox"/>
8.	1	MacArthur Inventarios del Desarrollo de Habilidades Comunicacion: Palabras y Getos	\$ 0.95	<input type="checkbox"/>	<input type="checkbox"/>
9.	1	Lang Assess Scales-Reading&Writing - Span Student Answer	\$ 1.86	<input type="checkbox"/>	<input type="checkbox"/>
10.	1	Lang Assess Scales-Reading&Writing - Span Writing Test	\$ 2.09	<input type="checkbox"/>	<input type="checkbox"/>
11.	1	Lang Assess Scales-Reading&Writing - Span Reading Test	\$ 2.79	<input type="checkbox"/>	<input type="checkbox"/>
12.	1	Lang Assess Scales-Reading&Writing - Span Student Answer	\$ 1.86	<input type="checkbox"/>	<input type="checkbox"/>
13.	1	Lang Assess Scales-Reading&Writing - Span Writing Test	\$ 2.09	<input type="checkbox"/>	<input type="checkbox"/>
14.	1	Lang Assess Scales-Reading&Writing - Span Reading Test Books	\$ 2.79	<input type="checkbox"/>	<input type="checkbox"/>
15.	1	Lang Assess Scales-Reading&Writing - Spanish Writing Test	\$ 2.20	<input type="checkbox"/>	<input type="checkbox"/>
16.	1	Language Asses Scales-Reading&Writing -Spanish Test Books	\$ 4.34	<input type="checkbox"/>	<input type="checkbox"/>
17.	1	Lang Assess Scales-Oral Span Ed Student Profile Sheets	\$ 1.17	<input type="checkbox"/>	<input type="checkbox"/>
18.	1	Lang Assess Scales-Oral Span Ed Student Answer Books	\$ 1.97	<input type="checkbox"/>	<input type="checkbox"/>
19.	1	Language Assessment Scales-Oral Span Ed - Student Prof Sheet	\$ 1.17	<input type="checkbox"/>	<input type="checkbox"/>

20.	1	Language Assessment Scales- Oral Spanish Edition	\$ 1.97	<input type="checkbox"/>	<input type="checkbox"/>
21.	1	Spanish Articulation Measures - Record Forms	\$ 1.11	<input type="checkbox"/>	<input type="checkbox"/>
22.	1	Receptive One-Word Picture Vocab Test Spanish-Bilingual	\$ 0.86	<input type="checkbox"/>	<input type="checkbox"/>
23.	1	Expressive One-word picture vocab test Spanish-Bilingual	\$ 0.86	<input type="checkbox"/>	<input type="checkbox"/>
24.	1	Dos Amigos Verbal Language Scales - Test Forms	\$ 0.57	<input type="checkbox"/>	<input type="checkbox"/>
25.	1	Diagnostic Evaluation of Language Variance - Record Form	\$ 1.71	<input type="checkbox"/>	<input type="checkbox"/>
26.	1	Cognitive Linguistic Quick Test - English Record Form	\$ 2.00	<input type="checkbox"/>	<input type="checkbox"/>
27.	1	Cognitive Linguistic Quick Test (CLQT) - Spanish Record Form	\$ 1.20	<input type="checkbox"/>	<input type="checkbox"/>
28.	1	Clinical Evaluation of Language Fundamentals - Record Forms	\$ 1.94	<input type="checkbox"/>	<input type="checkbox"/>
29.	1	Clinical Evaluation of Language Fundamentals - Record Forms	\$ 1.94	<input type="checkbox"/>	<input type="checkbox"/>
30.	1	Bilingual Language Proficiency Questionnaire	\$ 0.48	<input type="checkbox"/>	<input type="checkbox"/>
31.	1	Bilingual Health and Developmental History Questionnaire	\$ 0.48	<input type="checkbox"/>	<input type="checkbox"/>
32.	1	Bilingual Classroom Communication Profile - Questionnaire	\$ 0.83	<input type="checkbox"/>	<input type="checkbox"/>
33.	1	Diagnostic Supplement Test Records	\$ 1.89	<input type="checkbox"/>	<input type="checkbox"/>
34.	1	Brief Intellectual Ability Test Records	\$ 1.14	<input type="checkbox"/>	<input type="checkbox"/>
35.	1	Test of Achievement Test Records & Subject Response Booklets	\$ 2.31	<input type="checkbox"/>	<input type="checkbox"/>
36.	1	Tests of Cognitive Abilities Records and Subject Response Bo	\$ 2.43	<input type="checkbox"/>	<input type="checkbox"/>
37.	1	ROWVPT (English)	\$ 1.68	<input type="checkbox"/>	<input type="checkbox"/>
38.	1	EOWPVT (English)	\$ 1.68	<input type="checkbox"/>	<input type="checkbox"/>
39.	1	Preschool Language Scales PLS-5 (English)	\$ 3.16	<input type="checkbox"/>	<input type="checkbox"/>
40.	1	MacArthur Inventarios del Desarrollo de Habilidades Comunicacion: Palabras y Enunciados	\$ 0.95	<input type="checkbox"/>	<input type="checkbox"/>

Total: \$ 64.34
per 1 student \$ 64.34

SPA 6496

HPA-COM SC&DIS

6(6,0)

Language Disorders in Children and Adolescents: PR: Admission to M.A. in Communication Sciences and Disorders or C.I. The nature, assessment and management of spoken and written language disorders in children and adolescents. *Fall, Spring, Summer.*

Materials & Supply Fee proposed revision: from \$70.00 to \$70.00

Brief description of fee use:

Each item below is per 1 students

# units/1 students	Description	cost/1 students	Denied	
			Committee	Provost
1.	Detroit Test of Learning Aptitude -Primary:3	\$ 0.40	<input type="checkbox"/>	<input type="checkbox"/>
2.	Test of Early Written Language-2	\$ 7.90	<input type="checkbox"/>	<input type="checkbox"/>
3.	Test of Word Finding in Discourse	\$ 1.80	<input type="checkbox"/>	<input type="checkbox"/>
4.	Test of Adolescent & Adult Language - 4	\$ 5.88	<input type="checkbox"/>	<input type="checkbox"/>
5.	Assess of Lang and Literacy	\$ 2.16	<input type="checkbox"/>	<input type="checkbox"/>
6.	Test of Language Development - Primary:4	\$ 3.08	<input type="checkbox"/>	<input type="checkbox"/>
7.	Preschool Language Scale-4	\$ 3.12	<input type="checkbox"/>	<input type="checkbox"/>
8.	Clinical Evaluation of Language Fundamentals Preschool:2	\$ 2.80	<input type="checkbox"/>	<input type="checkbox"/>
9.	Diagnostic Evaluation of Language Variation - Norm Ref	\$ 2.40	<input type="checkbox"/>	<input type="checkbox"/>
10.	Woodcock Reading Mastery Test-R	\$ 2.32	<input type="checkbox"/>	<input type="checkbox"/>
11.	Test of Written Language - 4th Edition	\$ 3.22	<input type="checkbox"/>	<input type="checkbox"/>
12.	Test of Pragmatic Language	\$ 4.32	<input type="checkbox"/>	<input type="checkbox"/>
13.	Test of Language Development - Int 4th Edition	\$ 2.24	<input type="checkbox"/>	<input type="checkbox"/>
14.	Test of Language Competence - Expanded Edition	\$ 6.51	<input type="checkbox"/>	<input type="checkbox"/>
15.	Oral & Written Language Scales	\$ 3.16	<input type="checkbox"/>	<input type="checkbox"/>
16.	Gray Oral Reading Test - 4th Edition	\$ 4.56	<input type="checkbox"/>	<input type="checkbox"/>

17.	Detroit Test of Learning Aptitude - 4th Edition	\$ 3.64	<input type="checkbox"/>	<input type="checkbox"/>
18.	Diagnostic Assessments of Reading - 2nd Edition	\$ 5.07	<input type="checkbox"/>	<input type="checkbox"/>
19.	Comprehensive Assessment of Spoken Language CASL	\$ 5.42	<input type="checkbox"/>	<input type="checkbox"/>
	Total:	\$ 70.00		
	per 1 student	\$ 70.00		

SPA 6943C

HPA-COM SC&DIS

3(1,4)

Clinical Practice Level I: PR: SPA 6942, SPA 6942L. Clinical practicum for the demonstration of knowledge and skill application in the diagnosis, treatment and management of persons with complex communication disorders across the lifespan. *Fall, Spring, Summer.*

Materials & Supply Fee proposed revision: from \$40.00 to \$40.32

Brief description of fee use:

Students enrolled in SPA 6943C administer a variety of assessments and provide therapeutic intervention to clients with complex communication needs. The materials and supply fee justification outlines the cost for different assessments and their associated protocols. Replacement occurs biannual or sooner if the assessment has been revised. Other fees include materials for establishing alternative and augmentative communication boards, oral mechanism supplies and sanitization supplies to prevent cross contamination of germs for non-disposable surfaces. Finally the fees include printing and copying HIPPA protected client information that students produce as part of their clinical education (including SOAP notes, progress reports, medical correspondence, etc.) which must be done in the clinic and in compliance with HIPPA standards.

Each item below is per 1 students

# units/1 students	Description	cost/1 students	Denied	
			Committee	Provost
1.	Protocols for OWLS	\$ 0.48	<input type="checkbox"/>	<input type="checkbox"/>
2.	Protocols for TOAL-4 Written	\$ 1.89	<input type="checkbox"/>	<input type="checkbox"/>
3.	Protocols for ABA-2, FLCI, ABCD, RCBA, RIPA, HAPP-3	\$ 4.08	<input type="checkbox"/>	<input type="checkbox"/>
4.	Protocols for TOSS-P	\$ 0.39	<input type="checkbox"/>	<input type="checkbox"/>
5.	Protocols for WAB, CLQT, TOAL4	\$ 5.48	<input type="checkbox"/>	<input type="checkbox"/>
6.	Protocols for WJ Cog	\$ 6.09	<input type="checkbox"/>	<input type="checkbox"/>
7.	Protocols for BAB SSC	\$ 2.50	<input type="checkbox"/>	<input type="checkbox"/>
8.	Tongue Depressors	\$ 1.50	<input type="checkbox"/>	<input type="checkbox"/>
9. 1	RICE Protocol	\$ 0.49	<input type="checkbox"/>	<input type="checkbox"/>

10.	1	ProEd BDAE and BNT Protocols	\$ 4.41	<input type="checkbox"/>	<input type="checkbox"/>
11.	1	ProEd FDA-2 Protocol	\$ 0.97	<input type="checkbox"/>	<input type="checkbox"/>
12.	1	Pearson PALPA	\$ 0.76	<input type="checkbox"/>	<input type="checkbox"/>
13.	1	Mayer-Johnson TASP	\$ 1.41	<input type="checkbox"/>	<input type="checkbox"/>
14.	1	ProEd TNL	\$ 1.18	<input type="checkbox"/>	<input type="checkbox"/>
15.	1	ProEd AIDS	\$ 0.17	<input type="checkbox"/>	<input type="checkbox"/>
16.	1	WPS	\$ 3.16	<input type="checkbox"/>	<input type="checkbox"/>
17.		Sanitizing Supplies	\$ 1.61	<input type="checkbox"/>	<input type="checkbox"/>
18.		AAC Visual Board Materials	\$ 3.75	<input type="checkbox"/>	<input type="checkbox"/>
Total:			\$ 40.32		
per 1 student			\$ 40.32		

PHT 5125L

HPA-HP

2(0,4)

Clinical Kinesiology Lab: CR: PHT 5125. Graduate level study of human musculoskeletal movement with an emphasis on joint mechanics and clinical applications. *Summer.*

Materials & Supply Fee proposed revision: from \$35.00 to \$35.37

Brief description of fee use:

This is a lab-based course in which the students learn palpation skills, movement analysis, and gait analysis. Since it is lab based and students have skin exposed to mat-tables and each other for palpation, the entire environment needs to be appropriately cleaned on a daily basis (hand sanitizers, table & environment disinfectants), as well as appropriately draped for privacy and to cover surfaces when needed. Gait is analyzed for spatial characteristics. Students feet are painted and the characteristics are left behind on roll-out paper, where the students make their measurements, observations, and analysis. Further objectives of the course are to examine movement, functional movement, and exercise. To examine muscle contraction, firing, and peak amplitude characteristics, students examine these characteristics through EMG muscle analysis captured through biofeedback.

Each item below is per 1 students

# units/1 students	Description	cost/1 students	Denied		
			Committee	Provost	
1.	36	Muscle conduction and amplitude analysis	\$ 20.40	<input type="checkbox"/>	<input type="checkbox"/>
2.	3	Paints	\$ 1.00	<input type="checkbox"/>	<input type="checkbox"/>
3.	1	Paper Roll	\$ 0.83	<input type="checkbox"/>	<input type="checkbox"/>
4.	1	Linens	\$ 9.44	<input type="checkbox"/>	<input type="checkbox"/>
5.	2	Antimicrobial/Handwash	\$ 1.94	<input type="checkbox"/>	<input type="checkbox"/>
6.	2	Mat table and surface disinfectant	\$ 1.76	<input type="checkbox"/>	<input type="checkbox"/>

Physical Assessment Lab: CR: Physical Assessment. Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient. *Fall.*

Materials & Supply Fee proposed revision: from \$45.00 to \$48.26

Brief description of fee use:

This is a lab course in which students learn range of motion, sensation and reflexes. Activities require frequent student to student physical contact and, thus, appropriate infection control is required.

Each item below is per 1 students

# units/1 students	Description	cost/1 students	Denied	
			Committee	Provost
1. 1	Finger Goniometer	\$ 5.80	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2. 1	2-point Discriminator 5632-35	\$ 10.09	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3. 1	Tape Measure	\$ 12.10	<input type="checkbox"/>	<input type="checkbox"/>
4. 1	All Purpose Disinfectant Cleaner 9651-36	\$ 1.81	<input type="checkbox"/>	<input type="checkbox"/>
5. 2	Hand Sanitizer 9251-56	\$ 1.46	<input type="checkbox"/>	<input type="checkbox"/>
6. 1	Linens (\$6000/yr used in 10 labs)/36 students each lab	\$ 17.00	<input type="checkbox"/>	<input type="checkbox"/>
Total:		\$ 32.37		
per 1 student		\$ 32.37		

PHT 5260L

HPA-HP

1(0,2)

Patient Care Skills Lab: CR: Patient Care Skills. Skills of patient care, transfers, mobility skills. *Fall.*

Materials & Supply Fee proposed revision: from \$30.00 to \$33.62

Brief description of fee use:

This is a lab course which includes introduction and performance in infection control measures, assessment of vital signs, patient positioning and draping, patient handling including bed mobility and transfers and basics of wound care. Activities require frequent student-to-student physical contact, thus appropriate infection control is required. The following supplies are necessary for successful completion of the lab activities.

Each item below is per 1 students

# units/1 students	Description	cost/1 students	Denied	
			Committee	Provost
1. 2	Replacement hand grips & underarm pad	\$ 0.42	<input type="checkbox"/>	<input type="checkbox"/>
2. 4	Replacement tips for canes, walkers, crutches 7203-01	\$ 0.78	<input type="checkbox"/>	<input type="checkbox"/>

3.	1	Stretch Gauze Bandages	\$ 1.81	<input type="checkbox"/>	<input type="checkbox"/>
4.	1	Gauze Sponges	\$ 0.45	<input type="checkbox"/>	<input type="checkbox"/>
5.	1	Disposable gloves Latex-free 5243-02	\$ 0.76	<input type="checkbox"/>	<input type="checkbox"/>
6.	1	Sterile Latex Gloves 7143	\$ 2.52	<input type="checkbox"/>	<input type="checkbox"/>
7.	1	Surgical Face Mask 0814-64-068	\$ 0.46	<input type="checkbox"/>	<input type="checkbox"/>
8.	1	Sterile fields 5546-13	\$ 0.82	<input type="checkbox"/>	<input type="checkbox"/>
9.	1	Disposable sheaths for digital thermometer	\$ 0.12	<input type="checkbox"/>	<input type="checkbox"/>
10.	1	Personal Protective Equipment Kits	\$ 3.11	<input type="checkbox"/>	<input type="checkbox"/>
11.	1	All pupose disinfectant Cleander 9651-36	\$ 1.81	<input type="checkbox"/>	<input type="checkbox"/>
12.	2	Hand Sanitizer	\$ 1.46	<input type="checkbox"/>	<input type="checkbox"/>
13.	1	Linens (\$6000/yr used in 10 labs)	\$ 17.00	<input type="checkbox"/>	<input type="checkbox"/>
14.	2	Replacement walker/crutch pads	\$ 2.10	<input type="checkbox"/>	<input type="checkbox"/>
Total:			\$ 33.62		
per 1 student			\$ 33.62		

PHT 5718L

HPA-HP

1(0,2)

Neurological Physical Therapy Lab: CR: Neurological Physical Therapy. Lab Course emphasizing the clinical application of selected neuromotor theories. *Summer.*

Materials & Supply Fee proposed revision: from \$30.00 to \$33.30

Brief description of fee use:

This is a lab course in which students learn and parctices the components of a comprehensive neurological examination. These supplies and tools are needed to provide this learning experience.

Each item below is per 1 students

# units/1 students	Description	cost/1 students	Denied		
			Committee	Provost	
1.	1	Disposable gloves latex free - S	\$ 0.75	<input type="checkbox"/>	<input type="checkbox"/>
2.	1	Disposable gloves latex free - L	\$ 0.75	<input type="checkbox"/>	<input type="checkbox"/>
3.	1	Disposable gloves latex free - M	\$ 0.75	<input type="checkbox"/>	<input type="checkbox"/>
4.	1	Sterile latex gloves	\$ 1.28	<input type="checkbox"/>	<input type="checkbox"/>
5.	1	All purpose disinfectant cleaner 9651-36	\$ 1.81	<input type="checkbox"/>	<input type="checkbox"/>
6.	2	Hand Santizer 9251-56	\$ 1.46	<input type="checkbox"/>	<input type="checkbox"/>

Brief description of fee use:

This is the second course in a two-semester sequence providing first-year DPT students with a detailed examination of human anatomy, including the peripheral and central nervous systems. The requested lab fees will be used to purchase human cadaver specimens, subsidize procurement, preparation, disposal (cremation), and transportation of cadavers to and from the State Anatomical Board at the UCF Medical Center Campus at Lake Nona. Fees are also used to contract for routine biohazard waste removal services, purchase tissue preservation solutions, anatomical models, dissection tools and personal safety equipment.

Each item below is per 1 students

# units/1 students	Description	cost/1 students	Denied	
			Committee	Provost
1. 1	Human cadavers - plus additional items	\$ 70.00	<input type="checkbox"/>	<input type="checkbox"/>
	Total:	\$ 70.00		
	per 1 student	\$ 70.00		

PHT 6156C**HPA-HP****5(3,2)**

Applied Human Physiology for Health Sciences: PR: Admission to the Doctor of Physical Therapy program. Course provides in-depth study of human cardiovascular, hemopoietic, respiratory, gastrointestinal, renal and reproductive systems with emphasis on mechanisms responsible for maintaining homeostasis. *Fall.*

Materials & Supply Fee proposed revision: from \$25.00 to \$29.53

Brief description of fee use:

This course provides the first-year DPT student with a comprehensive overview of human systems physiology with an emphasis on the cardiovascular system. Laboratory experiences include the theoretical and practical application of EKG, metabolic testing, and other non-invasive measures of cardiovascular fitness.

Each item below is per 1 students

# units/1 students	Description	cost/1 students	Denied	
			Committee	Provost
1. 1	Alcohol Preps	\$ 0.53	<input type="checkbox"/>	<input type="checkbox"/>
2. 1	Nitrile Disposable Gloves - XL	\$ 2.00	<input type="checkbox"/>	<input type="checkbox"/>
3. 1	Nitrile Disposable Gloves - Large	\$ 2.00	<input type="checkbox"/>	<input type="checkbox"/>
4. 1	Nitrile Disposable Gloves - medium	\$ 2.00	<input type="checkbox"/>	<input type="checkbox"/>
5. 1	Nitrile Disposable Gloves - Small	\$ 2.00	<input type="checkbox"/>	<input type="checkbox"/>
6. 1	Tringo Sensor Skin Interface \$35/pack of 80	\$ 1.00	<input type="checkbox"/>	<input type="checkbox"/>

7.	2	Aquasonic 100 Ultrasound Transmission Gel	\$ 3.00	<input type="checkbox"/>	<input type="checkbox"/>
8.	1	Linens (\$6000/year for 10 labs) 36 students each lab	\$ 17.00	<input type="checkbox"/>	<input type="checkbox"/>
Total:			\$ 29.53		
per 1 student			\$ 29.53		

PHT 6219L

HPA-HP

1(0,2)

Theories and Procedures II Lab: PR: Theories and Procedures I and lab; CR: Theories and Procedures II. Lab course focusing on electrodiagnosis and electrophysiologic examinations, and the interventions used in the treatment of pain and dysfunction. *Summer.*

Materials & Supply Fee proposed revision: from \$45.00 to \$44.96

Brief description of fee use:

This is a lab course in which students learn and practice treatment electromagnetic modalities including electrical stimulation, iontophoresis, biofeedback, nerve testing, laser and light therapy and lymph drainage. These supplies are required to successfully completed required activities for the class.

Each item below is per 1 students

# units/1 students	Description	cost/1 students	Denied		
			Committee	Provost	
1.	1	EMG Triode electrodes 9223-01	\$ 3.79	<input type="checkbox"/>	<input type="checkbox"/>
2.	1	Batteries AA Carton of 24, 9-volt Carton of 12	\$ 1.73	<input type="checkbox"/>	<input type="checkbox"/>
3.	2	Iontophoresis Dupel 5543-10, 5443-11, 5543-12	\$ 12.76	<input type="checkbox"/>	<input type="checkbox"/>
4.	1	Valutrode 2"x3.5" rectangle electrodes	\$ 2.24	<input type="checkbox"/>	<input type="checkbox"/>
5.	1	Valutrode 2" square electrodes	\$ 1.84	<input type="checkbox"/>	<input type="checkbox"/>
6.	1	Isopropyl Alcohol 5611-84	\$ 1.22	<input type="checkbox"/>	<input type="checkbox"/>
7.	1	All Purpose Disinfectant Cleaner 9651-36	\$ 1.81	<input type="checkbox"/>	<input type="checkbox"/>
8.	2	Hand Sanitizer 9251-56	\$ 1.46	<input type="checkbox"/>	<input type="checkbox"/>
9.	1	Linens (\$6000/year for 10 labs for 36 students)	\$ 17.00	<input type="checkbox"/>	<input type="checkbox"/>
10.	1	ComforTENS Plus with Performa Electrodes	\$ 1.11	<input type="checkbox"/>	<input type="checkbox"/>
Total:			\$ 44.96		
per 1 student			\$ 44.96		

PHT 6242L

HPA-HP

1(0,2)

Orthopedic Physical Therapy Lab: CR: Orthopedic Physical Therapy. Lab course emphasizing the examinations and interventions for the evaluation and treatment of specific orthopedic cases and injuries. *Fall.*

Materials & Supply Fee proposed revision: from \$40.00 to \$39.55

Brief description of fee use:

This is a lab-based course involving the handling of patients to test integrity of orthopedic structures. Classroom will require cleansers for treatment tables and antimicrobial hand sanitizer for the students, as well as linens/linen maintenance for draping of students and covering tables. In addition, taping supplies will be necessary for practice of corrective and protective taping procedures (athletic tape, and corrective tape fees). Students will also cover orthotic fabrication, which will require the purchase of plaster for students to practice this skill.

Each item below is per 1 students

	# units/1 students	Description	cost/1 students	Denied	
				Committee	Provost
1.	4	Plaster cast material	\$ 6.11	<input type="checkbox"/>	<input type="checkbox"/>
2.	2	Mat table and surface disinfectant	\$ 1.76	<input type="checkbox"/>	<input type="checkbox"/>
3.	2	Antimicrobial/Handwash	\$ 1.94	<input type="checkbox"/>	<input type="checkbox"/>
4.	1	Linens	\$ 9.44	<input type="checkbox"/>	<input type="checkbox"/>
5.	17	Corrective Tape: Cover Role & Leukotape	\$ 18.45	<input type="checkbox"/>	<input type="checkbox"/>
6.	1	Athletic Tape	\$ 1.85	<input type="checkbox"/>	<input type="checkbox"/>
Total:			\$ 39.55		
per 1 student			\$ 39.55		

PHT 6719L

HPA-HP

1(0,2)

Advanced Neurological Physical Therapy Lab: PR: PHT 5718L; CR PHT 6719. Course Emphasizing examinations and interventions for the evaluation and treatment of patients with neurological disease. Emphasis on patients with spinal cord injury and neurological disease. *Fall.*

Materials & Supply Fee proposed revision: from \$25.00 to \$29.43

Brief description of fee use:

This is a lab course in which students learn and practice the interventions strategies for treatment of the patient with neurologic impairments. These supplies and tools are needed to provide this learning experience.

Each item below is per 1 students

	# units/1 students	Description	cost/1 students	Denied	
				Committee	Provost
1.	1	Disposable gloves latex free - S	\$ 0.75	<input type="checkbox"/>	<input type="checkbox"/>
2.	1	Disposable gloves latex free - M	\$ 0.75	<input type="checkbox"/>	<input type="checkbox"/>
3.	1	Disposable gloves latex free - L	\$ 0.75	<input type="checkbox"/>	<input type="checkbox"/>
4.	`	Sterile latex gloves	\$ 1.29	<input type="checkbox"/>	<input type="checkbox"/>
5.	1	All Purpose Disinfectant Cleaner 9651-36	\$ 1.81	<input type="checkbox"/>	<input type="checkbox"/>
6.	2	Hand Sanitizer 9251-56	\$ 1.46	<input type="checkbox"/>	<input type="checkbox"/>
7.	1	Linens (\$6000/year used in 10 labs for 36 students	\$ 17.00	<input type="checkbox"/>	<input type="checkbox"/>
8.	1	Package of 6 stopwatches	\$ 5.62	<input type="checkbox"/>	<input type="checkbox"/>
Total:			\$ 29.43		
per 1 student			\$ 29.43		
