Undergraduate Curriculum Committee
Western Kentucky University

Report to the University Senate
Date: October 23, 2015
From: Liz Sturgeon, Chair

CONSENT ITEM REPORT:

1. GFCB
   a. Proposal to Create a New Course – Technology in Society and Business, CIS 205
   b. Proposal to Revise a Program – Major in Accounting, 602P/602

2. CEBS
   a. Proposal to Revise a Program – 760, Major in Psychology

3. CHHS
   a. Proposal to Create a New Course – IDFM 344
   b. Proposal to Revise a Program – 524, Bachelor of Science in Dental Hygiene
   c. Proposal to Revise a Program – 531, Interior Design & Fashion Merchandising
   d. Proposal to Revise a Program – 554P/554 Exercise Science

4. Academic Policy Subcommittee
   a. Proposal to Revise an Academic Policy – UC

Gordon Ford College of Business
Department of Information Systems
Proposal to Create a New Course
(Action Item)

Contact Person: Mark Ciampa, mark.ciampa@wku.edu, 270/745.8728

1. **Identification of proposed course:**
    1.1   Course prefix (subject area) and number: Computer Information Systems (CIS) 205
    1.2   Course title: Technology in Society and Business
    1.3   Abbreviated course title: Technology in Society and Business
    1.4   Credit hours: 3   Variable credit: No
    1.5   Grade type: Standard letter grade
    1.6   Prerequisites/corequisites: None
    1.7   Course catalog listing: Examination of the impact of digital information technology on domestic and international businesses and societies, along with ethical and social impacts on professional and personal decision-making.

2. **Rationale:**
    2.1   Reason for developing the proposed course: The advances of digital information technology are continuing to have profound impacts upon business, society, and individuals both at home and abroad. With these advances come many significant questions: Will robots take away jobs? What protections should employees have regarding electronic monitoring by their employers? Should companies be permitted to patent genes? To what extent should a government monitor electronic communications of its citizens? Do video games encourage violent behavior? Is cyberterrorism a credible threat? These and many other ethical, social, and behavioral questions are at the forefront of the impact of technology on business and society. In order to successfully navigate through today's technology environment users need to explore the "pros and cons" of this myriad of questions about the impact of technology. And because different societies approach these questions from different perspectives, it is also important to compare and contrast these views from around the globe. This course is designed to examine digital information technology's impact today and the questions that it raises in businesses and society. Emphasis will be placed on examining both sides of these questions. The ability to understand these issues and use that knowledge will help WKU students become productive, engaged, and socially responsible digital citizens in today's global society.
    2.2   Projected enrollment in the proposed course: Approximately 30 per semester. Students outside of the department and college are expected to enroll.
    2.3   Relationship of the proposed course to courses now offered by the department: There are currently no courses related to the impact of technology being offered by the department.

2.4   Relationship of the proposed course to courses offered in other departments: AMS 210. TECHNOLOGY AND SOCIETAL IMPACT (3) A study of technology and the west through Great Britain's Industrial Revolution (c. 1850) and the expansion and diffusion of Western Industrial Technology (c. 1850 to present). The course objectives for AMS 210 are: "explain the importance of increasing technological literacy; describe the role and historical impact of technology, its usefulness to an industry or business, and how it affects society; document the core concepts of technology and its primary areas of application; identify the opportunities available in a technological career; and develop and understanding and application of problem solving using the scientific method." AREAS OF OVERLAP: Whereas CIS 205 will also explore how technology affects society and business, none of the other outcomes will be addressed.

SJB 101. UNDERSTANDING MEDIA CONTENT, ETHICS AND TECHNOLOGY (3) Develops a framework to access, analyze, evaluate, and interact with content, audiences and technology in a variety of digital forms. The course objectives for SJB 101 include "an in-depth study of the theoretical foundations and ethical considerations for analyzing mass communication messages, channels, institutions, audiences, and communities. Specific course objectives include: knowing the definitions of convergence digitization , networks and audiences; learning the various ways of convergence of media, computer network, and communications is changing the role of the journalist storyteller understanding the three key elements of media literacy such as media grammar, fragmentation of media channels, and how audiences shaped media content appreciating media ethics, understanding communication law and regulation, and applying these principles to media consumption, production, and distribution habits in the digital age." AREAS OF OVERLAP: None of these outcomes will be addressed in CIS 205.

SOCL 352. TECHNOLOGY, WORK AND SOCIETY. (3) Analysis of technology's impact on work systems, relationships between work and society, and management-worker interaction in varied industrial settings. The outcomes of SOCL 100 are an "analysis of technology's impact on work systems, relationships between work and society, and management-worker interaction in varied industrial settings. SOCL 100 is intended for upper-division enrollees with interest in how technological issues are patterned by social life. Material deals with such topics as the environment, applications of technology in health care, the internet, public policy and technological trends, and others of importance such as global warming and civic engagement on technological issues. Material should appeal to students who have interests in social issues such as environmentalism as well as to students with more interest in modern technologies and future public policy issues such as carbon neutrality." AREAS OF OVERLAP: Whereas CIS 205 will cover work and society it will do so from the business perspective and not the sociological viewpoint. CIS 205 will not cover the environment, global warming, civic engagement, or future public policy issues.

2.5   Relationship of the proposed course to courses offered in other institutions:
- Morehead State (IET 600 Impact of Technology)
- Eastern Illinois University (EIU 4102G Technology and Society)
- Florida International University (EGN 1033 Technology, Humans and Society)
- Temple University (CIS 0835.013 Cyberspace, Technology and Society)
- Framingham State University (CSCI 135 Information Technology and Society)
- The College of New Jersey (IDS 252 Society, Ethics and Technology)
- Morrisville State College (STS 101 The Values of Science and Technology)
- University of Texas (POEC 6353 Industry, Technology and Science Policy)
- Cornell University (INFO 4240 Designing Technology for Social Impact)
- Old Dominion University (STEM 307T Technology and Society)
- De Anza College (CIS 2 Computers and the Internet in Society)
- Wright State University (CS 1000 Technology and Society)
- University of Montana (CSCI 315E Computers, Ethics and Society)
- University of Bridgeport (PRST 204 Social Impact of Technology)

3.   Discussion of proposed course:

3.1   Schedule type: C

3.2   Learning Outcomes: Upon successful completion of this course students should be able to demonstrate the ability to discuss the "pros and cons" of questions that relate to the impact of technology on businesses, societies, and individuals. Student should also be able to compare and contrast these views from other societies around the world by examining technology's impact today and the questions that it raises. Emphasis will be placed on examining both sides of these questions.

3.3   Content outline:

A. Impact of Computer Hardware
   a. How Should Business Utilize Technology to Its Highest Impact?
   b. What are the Business Risks of Depending Too Heavily on Technology?
   c. Can Machines Be Conscious?
   d. Should We Reject the Transhumanist Goal of the Enhanced Human Being?
   e. Will Robots Take Your Job?

B. Impact of the Internet
   a. Is Employer Monitoring of Employee Social Media Justified?
   b. What Should Be the Penalty for Businesses to Manipulate Search Engine Optimization?
   c. Should the Internet Be Neutral?
   d. Do Social Media Encourage Revolution?
   e. Does Online Communication Compromise Rights When Anonymous?

    f. Are Online Services Responsible for Increase in Bullying & Harassment?

    g. Are People Better Informed in the Information Society?

   C. Impact of Technology on Privacy, Law, and Ethics

    a. Do New Business Models Result in Greater Consumer Choice?

    b. Should Patenting Genes By Businesses Be Understood as Unethical?

    c. Does Government Internet Surveillance Efforts Threaten Privacy & Civil Rights?

    d. Is Cyberterrorism a Genuine Threat?

    e. Do Video Games Encourage Violent Behavior?

    f. Do Copyright Laws Protect Ownership of Intellectual Property?

3.4 Student expectations and requirements: Students are evaluated on their performance on examinations, class projects, and homework assignments.

3.5 Tentative texts and course materials:

  Hjorth, Linda, Eichler, Barbara, Khan, Ahmed, and Morello, John. (2007). Technology and Society: Issue for the 21st Century and Beyond, 3ed. New York, NY: Pearson.

  Johnson, Deborah, and Wetmore, Jameson. (2008). Technology and Society: Building our Sociotechnical Future. Boston, MA: MIT Press.

  Quan-Haase, Anabel. (2012). Technology and Society: Social Networks, Work, and Inequality. New York, NY: Oxford University Press.

  Harrington, Jan. (2008). Technology And Society. Sudbury, MA: Jones and Bartlett.

  Winston, Morton and Edelbach, Ralph. (2013). Society, Ethics, and Technology. Boston: Cengage Learning.

  (In addition, current readings from the MIT Sloan Management Review, Harvard Business Review, Wall Street Journal, and similar business-related periodicals and journals will be utilized as appropriate)

4. Resources:

4.1 Library resources: See attached Library Resources document.

4.2 Computer resources: Students may utilize WKU computer lab resources for additional research.

5. Budget implications:

5.1 Proposed method of staffing: Existing faculty will be used.

5.2 Special equipment needed: None.

5.3 Expendable materials needed: None.

5.4 Laboratory materials needed: None.

6. Proposed term for implementation: Fall 2016

7.   **Dates of prior committee approvals:**

Information Systems Department/Division: September 10, 2015

GFCoB Curriculum Committee   September 22, 2015

Undergraduate Curriculum Committee   October 22, 2015

University Senate   _____

Attachment: Library Resources Form, **Course Inventory Form**

Gordon Ford College of Business
Accounting Department
Proposal to Revise a Program
(Action Item)

Contact Person: Steve Wells, steve.wells@wku.edu, 745-3895

1.   **Identification of Program:**
          1.1   Current program reference number: 602P (seeking admission)
                                                                         602   (officially admitted)
          1.2   Current program title: Major in Accounting
          1.3   Credit hours: 73

2.   **Identification of the proposed program changes:**
          • Change in program to eliminate 60-hour rule included in the enrollment
            policy for upper division classes.
          • Change in program to add wording to the program description to clarify
            admission and program requirements.

3.   **Detailed program description:**

Current Program	Proposed Program
Enrollment Policy for Upper-Division Courses – To enroll in upper-division business courses, students must have a minimum of 60 earned hours and a 2.0 overall grade point average. Enrollment in upper-division business courses is limited to a maximum of 12 credit hours for students not admitted to one of the baccalaureate programs in the Gordon Ford College of Business. Accounting majors should refer to the Gordon Ford College of Business introductory section for the requirements for being formally admitted to the Gordon Ford College of Business, a condition which students must satisfy before being admitted to the Accounting Program. To gain admission to the Gordon Ford College, students must have: 1. earned a minimum of 60 hours;	Enrollment Policy for Upper-Division Courses – **To enroll in upper-division accounting courses, students must have a 2.0 overall grade point average.** To enroll in upper-division business courses **other than accounting**, students must have a minimum of 60 earned hours and a 2.0 overall grade point average. Enrollment in **all** upper-division business courses is limited to a maximum of 12 credit hours for students not admitted to one of the baccalaureate programs in the Gordon Ford College of Business. ~~Accounting majors should refer to the Gordon Ford College of Business introductory section for the requirements for being formally admitted to the Gordon Ford College of Business, a condition which students must satisfy before being admitted to the Accounting Program.~~

2. completed ACCT 200 and 201, CIS 141, ECON 202, 203, and 206, MATH 116 or higher, and COMM 145 with a minimum grade point average of 2.5 in the courses listed above; and 3. a minimum overall GPA of 2.5. Students with lower than a 2.5 grade point average will be allowed to take only those upper-division courses in the Gordon Ford College of Business they are repeating above the 12 hours allowed prior to admission. Accounting majors must earn a grade of "C" or better in ACCT 300, 301, 303, 310, and 312 and other courses that are prerequisites for succeeding courses.	To gain admission to the ~~Gordon Ford College~~ **Accounting Program**, students must have: 1. earned a minimum of 60 hours; 2. completed ACCT 200 and 201, CIS 141, ECON 202, 203, and 206, MATH 116 or higher, and COMM 145 with a minimum grade point average of 2.5 in the courses listed above; and 3. a minimum overall GPA of 2.5. Students with lower than a 2.5 grade point average **that includes 12 hours of upper-division business courses** will be allowed to take only those upper-division courses in the Gordon Ford College of Business they are repeating ~~above the 12 hours allowed prior to admission~~. **Repeating a course will not be considered to violate the enrollment policy restricting upper division courses to 12 hours prior to admission.** Accounting majors must earn a grade of "C" or better in ACCT 300, 301, 303, 310, and 312 and other courses ~~that are~~ **when used as** prerequisites for succeeding courses.

4. **Rationale for the proposed program change:**

- <u>Change in program to eliminate 60-hour rule for admittance to upper division classes:</u> When the department began accepting AP course credit to satisfy the ACCT 200 requirement, the college removed the 27-hour prerequisite for enrolling in ACCT 200. Consequently, some students are able to take ACCT 200 and 201 as freshmen if the additional prerequisites are met. The 60-hour rule prevents students from taking the next course(s) in the sequence for up to a full year. The opportunity to take the intermediate-level courses as soon as possible after completing the principles courses (ACCT 200 and 201) is much more beneficial to the learning process than incurring a large gap in the presentation of the material.

- Change in program to add wording to the program description to clarify admission and program requirements for the Accounting major: The current program description requires students to refer to the admission requirements for the Gordon Ford College of Business. Due to a recent policy change in the GFCB, departments now set their own admission requirements for the individual major programs. Other than the removal of the 60-hour rule for enrollment into upper-division accounting courses, the Accounting Program requirements remain consistent with the enrollment policies and prior admission requirements of the college. The proposed wording removes the reference to GFCB admission standards and includes the information in the departmental program requirements.

  The additional explanation regarding students with less than a 2.5 grade point average clarifies a student's ability to repeat upper-division courses in an attempt to raise their GPA without violating the 12-hour rule.

  The phrase "when used as" clarifies that a student only needs a grade of C or better in a required course if he or she is taking a subsequent course where that particular required course is a prerequisite.

5. **Proposed term for implementation and special provisions (if applicable):**
Fall 2016

6. **Dates of prior committee approvals:**

Department of Accounting	August 19, 2015
GFCB College Curriculum Committee	September 15, 2015
Undergraduate Curriculum Committee	October 22, 2015
University Senate	

College Name
Department Name
Proposal to Revise A Program
(Action Item)

Contact Person: Steve Wininger, steven.wininger@wku.edu, 5-4421.

1. **Identification of program:**
   1.1   Current program reference number: 760
   1.2   Current program title: Major in Psychology
   1.3   Credit hours: 31

2   **Identification of the proposed program changes:**
   2.1   Added a new course category requirement labelled "Applied Development and Behavior."
   2.2   Total credit hours have been increased from 31 to 34 hours.
   2.3   Two new concentration options entitled "Sport Psychology" and "Forensic Psychology" have been added.

3   **Detailed program description:**

Current Program	Proposed Program
General Major The general major in psychology (reference number 760) requires a minimum of ~~31~~ semester hours and leads to a Bachelor of Arts degree.	General Major The general major in psychology (reference number 760) requires a minimum of **34** semester hours and leads to a Bachelor of Arts degree.
A minor or second major is required. At least half of the program must be in upper division courses (numbered 300 or above).	A minor, second major, or **the sport psychology concentration** is required. At least half of the program must be in upper division courses (numbered 300 or above).
Required courses are PSY100 Introduction to Psychology (3), PSY 210 Research Methods in Psychology (3), PSY 211 Research Methods in Psychology Lab (1), PSY 313 Statistics in Psychology (3), and PSY 481 History of Psychology (3).	Required **core** courses are PSY100 Introduction to Psychology (3), PSY 210 Research Methods in Psychology (3), PSY 211 Research Methods in Psychology Lab (1), PSY 313 Statistics in Psychology (3), and PSY 481 History of Psychology (3).
MATH 183 ~~(recommended)~~ or other mathematics course (excluding MATH 109) that satisfies the ~~mathematics General Education~~ requirement must also be completed, ~~as well as the indicated number of hours from each of the following categories.~~	MATH 183, **PHIL 215**, or other mathematics courses (excluding MATH 109) that satisfy the **Colonnade Quantitative Reasoning** requirement must also be completed.
One course from each of the following categories must be taken. Foundations of Behavior: 3 hours • PSY 331 – Psychology of Learning (3)	One course from each of the following categories must be taken. **Applied Development and Behavior: 3 hours** • **PSY 220 Introduction to Lifespan**

- PSYS 333 – Cognitive Psychology (3) - PSYS 363 – Psychology of Sensation and Perception (3) - PSY 412 – Psychology of Motivation and Emotion (3) ~~PSY 422 – Adolescent Psychology (3)~~ - PSY 436 – Applied Cognitive Psychology (3) - PSYS 450 – Introduction to Personality Theories (3) Group Behavior: 3 hours - PSY 350 – Social Psychology (3) - PSY 355 – Cross-Cultural Psychology (3) - PSYS 370 – Industrial/Organizational Psychology (3) - PSY 371 – Psychology of Sales (3) - PSY470 – Psychology and Law (3) Behavioral Change: 3 hours - PSY 340 – Sport Psychology (3) - PSY 440 – Abnormal Psychology (3) - PSY 442 – Beginning Skills in Psychological Interviewing (3) - PSY 443 – Behavior Modification (3) - PSY 445 – Introduction to Clinical Practice in Psychology (3)	**Developmental Psychology (3)** **PSY 422 Adolescent Psychology (3)** **FACS 191 Child Development (3)** **GERO 100 Introduction to the Aging Experience (3)** Foundations of Behavior: 3 hours - PSY 331 – Psychology of Learning (3) - PSYS 333 – Cognitive Psychology (3) - PSYS 363 – Psychology of Sensation and Perception (3) - PSY 412 – Psychology of Motivation and Emotion (3) - PSY 436 – Applied Cognitive Psychology (3) - PSYS 450 – Introduction to Personality Theories (3) Group Behavior: 3 hours - PSY 350 – Social Psychology (3) - PSY 355 – Cross-Cultural Psychology (3) - PSYS 370 – Industrial/Organizational Psychology (3) - PSY 371 – Psychology of Sales (3) - PSY 470 – Psychology and Law (3) Behavioral Change: 3 hours - PSY 340 – Sport Psychology (3) - PSY 440 – Abnormal Psychology (3) - PSY 442 – Beginning Skills in Psychological Interviewing (3) - PSY 443 – Behavior Modification (3) - PSY 445 – Introduction to Clinical Practice in Psychology (3)
Psychology Electives: 9 hours (at least 6 hours in courses numbered 300 or above in PSY or PSYS with the exception of PSY175 or PSY310)	No changes to this section.
The Psychology General Major is restricted to students with minimum composite ACT of 20 (or equivalent SAT) or a minimum cumulative GPA of 2.5 after 30 plus hours.	No changes to this section.
	In addition to the option of majoring in psychology and choosing a minor or second major, students may also declare the sport psychology concentration which does not require an additional minor or second major.

	Sport Psychology Concentration **Required Psychology Major Courses** -Core courses (13 hours): PSY 100, 210, 211, 313, and 481. -Category courses (12): Applied Development and Behavior, Foundations of Behavior, Group Behavior, and Behavioral Change. **Required Psychology Concentration Courses (Concentration courses may not be counted as category courses)** -PSY 340 Sport Psychology (3) -PSY 412 Psychology of Motivation and Emotion (3) -PSY 440 Abnormal Psychology (3) **Other Courses** -BIOL 131 Human Anatomy & Physiology (4); Colonnade E-NS with lab -PE 122 Foundations of Kinesiology (3) -PE 311 Exercise Physiology (3) -PE 313 Motor Development (3) -HMD 211 Human Nutrition (3); Colonnade K-SC -HMD 364 Sports Nutrition (3) **Total hours required for concentration = 53**
	Forensic Psychology Concentration **Required Psychology Major Courses** -Core courses (13 hours): PSY 100, 210, 211, 313, and 481. -Category courses (12): Applied Development and Behavior (PSY 422 recommended), Foundations of Behavior, Group Behavior, and Behavioral Change. **Required Psychology Concentration Courses (9) (Concentration courses may not be counted as category courses)** -PSY 350 Social Psychology (3) -PSY 440 Abnormal Psychology (3) -PSY 470 Psychology and Law (3) **Restricted Elective Courses from Other Departments (6) (Choose two)** -CRIM 101 Intro to Criminal Justice (3); (Colonnade E-SB)

	-CRIM 456 Homicide and Serial Homicide (3) **-PHIL 211 Why are Bad People Bad (3);** **(Colonnade K-SC)** **-PS 220 Judicial Process (3); (Colonnade K-SY)** **Total hours required for concentration = 40**

4. **Rationale for the proposed program change:**
   4.1. Adding the new course category of Applied Development and Behavior adheres more closely to APA's suggested guidelines for undergraduate curriculum content. Additionally, we have observed that some of our majors have career goals that involve working with or understanding individuals in specific areas of the lifespan. The addition of this category will allow them to further focus on these interests as they pursue their major.
   4.2. The addition of the new course category moves our required hours from 31 to 34.
   4.3. Two of the more popular specialties within psychology are sport psychology and forensic psychology. We are often asked by visiting potential students about these two areas. None of the other colleges or universities in the state of Kentucky offer an undergraduate program in sport psychology and only EKU offers a concentration in Forensic Psychology. We feel that these concentrations will help attract more students to WKU and provide more depth in popular specialties within psychology. Another positive aspect of these concentrations is that they expose our students to related subject areas that are an integral part of each specialization.

5. **Proposed term for implementation and special provisions (if applicable):** Fall 2016

6. **Dates of prior committee approvals:**

Department/ Unit	9/18/2015
College Curriculum Committee	10/6/2015
Professional Education Council (if applicable)	N/A
Undergraduate Curriculum Committee	10/22/2015
University Senate	

College of Health & Human Services
Family & Consumer Sciences
Proposal to Create a New Course
(Action Item)

Contact Person: Sheila S. Flener, sheila.flener@wku.edu , 745-4105

1. **Identification of proposed course:**
    1.1   Course prefix and number: IDFM 344
    1.2   Course title: Digital Rendering for Interiors
    1.3   Abbreviated course title: Digital Rendering for Interiors
    1.4   Credit hours: 3   Variable credit No
    1.5   Grade type: standard letter grade
    1.6   Prerequisites: IDFM 222 CAD in Human Environment
    1.7   Course description: Introduction to computer-aided 3-D modeling using AutoCAD and
            20/20 CAP Design Studio software plug-in. Computer-aided visual communication
            techniques will be introduced as tools in the design/problem-solving process.

2. **Rationale:**
    2.1   The course will allow students to focus on 3-D structures in interior design.
    2.2   Projected enrollment in the proposed course: 15 to 18 students per semester.
    2.3   Relationship of the proposed course to courses now offered by the department: 3
            dimensional drawing and rendering are a component of several studios. Creation of this
            course will allow students to focus on skills needed to be successful in these studio
            courses.
    2.4   Relationship of the proposed course to courses offered in other departments: Architecture
            and Manufacturing Sciences offers a rendering course for architecture students using
            sketch-up instead of AutoCAD (AMS 251 3D Modeling and Imaging). This course
            would focus on AutoCAD and 20/20 CAP Design Studio software plug-in skills needed
            to produce interior renderings.
    2.5   Relationship of the proposed course to courses offered in other institutions:

University	Rendering Course
Appalachian State University	No
Ball State University	Yes
Bowling Green State University	Yes
Central Michigan University	No
East Carolina University	No
East Tennessee University	No

Florida Atlantic University	No Interiors Program
Illinois State University	Yes
Indiana State University	Yes
James Madison University	Yes
Middle Tennessee State University	Yes
Northern Illinois University	No Interiors Program
Ohio University	No
Towson University	No Interiors Program
University of North Carolina-Charlotte	No
University of North Carolina-Greensboro	No
University of South Alabama	No Interiors Program
University of Southern Mississippi	Yes

3. Discussion of proposed course:
    3.1   Schedule type: A—Applied Learning
    3.2   Learning Outcomes:
        Student will be able to:
- Define and maintain user-defined coordinate systems to aid in the construction of 3D interior design models showing furniture, finishes and equipment.
- Create and edit 2D interior walls, floors, ceilings and furniture regions and convert them to 3D models
- Use a variety of 3D interior display techniques to aid client understanding of interior space
- Create 3D interior objects using a variety of techniques used in interior modeling
- Render a 3D interior design model with a variety of lights and material and finish selection
- Create 2D and 3D drawings furniture schedules, and network/pathway files to order interior design furniture

    3.3   Content outline:
- Introduction to 3D user interface in AutoCAD
- Introduction to basic create tools and applications
- Use of solid editing tools
- Creation of various 3d models
- Assigning materials & textures to models
- Rendering in AutoCAD
- 3D plotting & layout in AutoCAD

- Introduction to CAP Design Studio

    3.4   Student expectations and requirements:
The main intent of this class is to give students who have taken the beginning class the time to practice their skills and become proficient using AutoCAD. We will introduce new material, related to 3D and rendering and the integration of AutoCAD with other applications but importantly, students will concentrate on more sophisticated use of material taught in the beginning class.

    3.5   Tentative texts and course materials: Instructor generated materials:
Ding, *Modeling and Visualization with AutoCAD,* Fairchild Publishing, 1st Edition, 2008, ISBN: 9781563675010

4. Resources:
    4.1   Library resources: Library resources are adequate
    4.2   Computer resources: Computer resources and software are available to the program

5. Budget implications:
    5.1   Proposed method of staffing: Current faculty member will add to their course rotation
    5.2   Special equipment needed: None
    5.3   Expendable materials needed: None
    5.4   Laboratory materials needed: None

6. Proposed term for implementation: Spring 2016

7. Dates of prior committee approvals:

Department of Family and Consumer Sciences	08-20-2015
CHHS Undergraduate Curriculum Committee	Sept. 18, 2015
Undergraduate Curriculum Committee	**October 22, 2015**
University Senate	

College of Health and Human Services
Department of Allied Health
Proposal to Revise A Program
(Action Item)

Contact Person: Dr. Lynn Austin, lynn.austin@wku.edu, 745-3827

1. **Identification of program:**
    1.1   Current program reference number: 524
    1.2   Current program title: Bachelor of Science in Dental Hygiene
    1.3   Credit hours: 72-78

2. **Identification of the proposed program changes:**
    - Decreasing the Non-Education Track required designated elective hours from 12-13 hours to the newly proposed 6-7 hours to accommodate Colonnade Program requirements resulting in a decrease in minimum hours to degree from 72 to 66.

3. **Detailed program description:**

Current Program		Proposed Program	
DH 270 Pre-Clinical Dental Hyg.	3	DH 270 Pre-Clinical Dental Hyg.	3
DH 212 Oral Anatomy	3	DH 212 Oral Anatomy	3
DH 201 Dental Radiology I	2	DH 201 Dental Radiology I	2
DH 210 Dental Materials & Expanded Functions I	2	DH 210 Dental Materials & Expanded Functions I	2
DH 222 Preventive Dental Hygiene Care	2	DH 222 Preventive Dental Hygiene Care	2
DH 271 Clinical Dental Hygiene	4	DH 271 Clinical Dental Hygiene	4
DH 230 Oral Histology & Embryology	3	DH 230 Oral Histology & Embryology	3
DH 204 Periodontics	3	DH 204 Periodontics	3
DH 206 Dental Pharmacology	3	DH 206 Dental Pharmacology	3
DH 226 Dental Materials & Expanded Functions II	2	DH 226 Dental Materials & Expanded Functions II	2
DH 309 Pain Control in Dental Hygiene	4	DH 309 Pain Control in Dental Hygiene	4
DH 370 Clinical Dental Hygiene	5	DH 370 Clinical Dental Hygiene	5
DH 302 Dental Radiology II	2	DH 302 Dental Radiology II	2
DH 303 Community Dental Health	4	DH 303 Community Dental Health	4
DH 307 General & Oral Pathology	3	DH 307 General & Oral Pathology	3
DH 304 Advanced Periodontology	4	DH 304 Advanced Periodontology	4
DH 371 Clinical Dental Hygiene	5	DH 371 Clinical Dental Hygiene	5
DH 323 Research Methods	3	DH 323 Research Methods	3
DH 324 Practice Managements & Ethics	3	DH 324 Practice Managements & Ethics	3

Non-Education Track ~~(12-13 hours)~~ *Student will choose ~~12-13~~ hours from: CHEM 304 Biochemistry for the Health Sciences COMM 330 Leadership Communication, COMM 345 Adv. Public Speaking, COMM 346 Persuasion, COMM 348 Interpersonal Communication, COMM 349 Small Group Communication, COMM 362 Organizational Communication, COMM 374 Gender Communication, COMM 440 Health Communication, HCA 340 Health Care Org/Management, HCA 347 Intl. Comparisons Health Care, PH 381 Community Health, PH 383 Biostatistics in Health Sciences, PH 384 Intro to Epidemiology, PH 462 Folklore and Medicine, PH 464 Women's Health, PH 484 Comm. Org. for Health Ed., PSY 310 Ed. Psych: Development and Learning, PSY 350 Social Psychology, SOCL 342 Aging in Society, SOCL 352 Technology, Work, and Society, SOCL 375 Diversity in American Society, or SOCL 450 Occupations and Professions Total	~~12-13~~	Non-Education Track **(6-7 hours)** *Student will choose **6-7** hours from: CHEM 304 Biochemistry for the Health Sciences COMM 330 Leadership Communication, COMM 345 Adv. Public Speaking, COMM 346 Persuasion, COMM 348 Interpersonal Communication, COMM 349 Small Group Communication, COMM 362 Organizational Communication, COMM 374 Gender Communication, COMM 440 Health Communication, HCA 340 Health Care Org/Management, HCA 347 Intl. Comparisons Health Care, PH 381 Community Health, PH 383 Biostatistics in Health Sciences, PH 384 Intro to Epidemiology, PH 462 Folklore and Medicine, PH 464 Women's Health, PH 484 Comm. Org. for Health Ed., PSY 310 Ed. Psych: Development and Learning, PSY 350 Social Psychology, SOCL 342 Aging in Society, SOCL 352 Technology, Work, and Society, SOCL 375 Diversity in American Society, or SOCL 450 Occupations and Professions Total	**6-7**

(Education Track) (18 hours)
(FACS 381) (Methods & Materials
      in FACS Education)
(DH 330) (Clinical Teaching)
(DH 340) (Clinical Teaching II)
(DH 350) (Clinical Teaching III)
PH 383 Biostatistics in the Health
     Sciences
	(3)
	(4)
	(4)
	(4)
	(3)
		(Education Track) (18 hours)
		(FACS 381) (Methods & Materials
		      in FACS Education)
		(DH 330) (Clinical Teaching)
		(DH 340) (Clinical Teaching II)
		(DH 350) (Clinical Teaching III)
		PH 383 Biostatistics in the Health
		     Sciences
			(3)
			(4)
			(4)
			(4)
			(3)

TOTAL PROGRAM HOURS for Non-education Track (Education Track)	~~72-73~~ (78)	**TOTAL PROGRAM HOURS** for Non-education Track (Education Track)	**66-67** (78)

The additional required courses for the major are not changing. These courses are: PSY 100, SOCL 100, MATH 109/116/117, BIOL 131, CHEM 109, HMD 211, BIOL 207 and BIOL 208.

4.   **Rationale for the proposed program change:**
- Due to the Connections component of the Colonnade Program, 6 hours of core competencies will be met leaving an additional 6-7 hours of requirements within the major.

5.   **Proposed term for implementation and special provisions:** Fall 2016

6. **Dates of prior committee approvals:**

Department of Allied Health	May 13, 2015
CHHS Undergraduate Curriculum Committee	Sept. 18, 2015
Undergraduate Curriculum Committee	**October 22, 2015**
University Senate	

College of Health & Human Services
Family & Consumer Sciences
Proposal to Revise A Program
(Action Item)

Contact Person: Sheila S. Flener, sheila.flener@wku.edu , 745-4105

1.   **Identification of program:**
    1.1   Current program reference number: 531
    1.2   Current program title: Interior Design & Fashion Merchandising
    1.3   Credit hours: 75-78

2.   **Identification of the proposed program changes:**
    - Drop IDFM 151, and add IDFM 344 within the Interior Design concentration.

3.   **Detailed program description:**

Current Program			Proposed Program		
Program Description: The major in Interior Design & Fashion Merchandising (reference number 531) requires a minimum of 75-78 semester hours and leads to a Bachelor of Science degree. The program offers two concentrations: interior design, and fashion merchandising. A grade of "C" or above must be earned in the required major/support courses. No minor or second major is required.			**Program Description**: The major in Interior Design & Fashion Merchandising (reference number 531) requires a minimum of 75-78 semester hours and leads to a Bachelor of Science degree. The program offers two concentrations: interior design, and fashion merchandising. A grade of "C" or above must be earned in the required major/support courses. No minor or second major is required.		
Interior Design Concentration			*Interior Design Concentration*		
Course #	Course Title	Hrs	Course #	Course Title	Hrs
IDFM 101	Foundations of Interior Design	1	IDFM 101	Foundations of Interior Design	1
IDFM 120	Visual Design I	3	IDFM 120	Visual Design I	3
~~IDFM 151~~	~~Survey of Architecture I~~	~~3~~			
IDFM 152	Survey of Architecture II	3	IDFM 152	Survey of Architecture II	3
IDFM 201	Interior Design Studio I	4	IDFM 201	Interior Design Studio I	4
IDFM 221	Visual Design II	3	IDFM 221	Visual Design II	3
IDFM 222	CAD in Human Environment	3	IDFM 222	CAD in Human Environment	3
IDFM 223	Textiles	3	IDFM 223	Textiles	3
IDFM 243	Materials and Finishes for Interior Design	3	IDFM 243	Materials and Finishes for Interior Design	3
IDFM 300	Interior Design Studio II	4	IDFM 300	Interior Design Studio II	4
IDFM 301	Interior Design Studio III	4	IDFM 301	Interior Design Studio III	4
IDFM 302	Interior Design Studio IV	4	IDFM 302	Interior Design Studio IV	4
IDFM 304	Lighting and Environmental	3	IDFM 304	Lighting and Environmental	3

	Controls			Controls	
IDFM 321	Professional Issues and Ethics	3	IDFM 321	Professional Issues and Ethics	3
			IDFM 344	**Digital Rendering for Interiors**	**3**
IDFM 401	Interior Design Studio V	4	IDFM 401	Interior Design Studio V	4
IDFM 402	Senior Design Thesis	4	IDFM 402	Senior Design Thesis	4
IDFM 403	Business Principles and Practices for ID	2	IDFM 403	Business Principles and Practices for ID	2
IDFM 410	IDFM Internship	3	IDFM 410	IDFM Internship	3
IDFM 421	Portfolio Design	3	IDFM 421	Portfolio Design	3
IDFM 422	Textile Design and Performance	3	IDFM 422	Textile Design and Performance	3
IDFM 427	Visual Design III	3	IDFM 427	Visual Design III	3
FACS 310	Management of Family Resources	3	FACS 310	Management of Family Resources	3
FACS 311	Family Relations	3	FACS 311	Family Relations	3
MKT 220	Basic Marketing Concepts	3	MKT 220	Basic Marketing Concepts	3
Elective selected with advisor		3	Elective selected with advisor		3
	Total Hours	78		Total Hours	78
Fashion Merchandising Concentration			*Fashion Merchandising Concentration*		
IDFM 120	Visual Design I	3	IDFM	Visual Design I	3
IDFM 131	Basic Apparel Construction	3	IDFM 131	Basic Apparel Construction	3
IDFM 132	Perspectives of Dress	3	IDFM 132	Perspectives of Dress	3
IDFM 221	Visual Design II	3	IDFM 221	Visual Design II	3
IDFM 222 OR AMS 163	CAD in Human Environment Architectural Drafting	3	IDFM 222 OR AMS 163	CAD in Human Environment Architectural Drafting	3
IDFM 223	Textiles	3	IDFM 223	Textiles	3
IDFM 231	Textile & Apparel Qual Analysis	3	IDFM 231	Textile & Apparel Qual Analysis	3
FACS 310	Management of Family Resources	3	FACS 310	Management of Family Resources	3
FACS 311	Family Relations	3	FACS 311	Family Relations	3
IDFM 321	Professional Issues and Ethics	3	IDFM 321	Professional Issues and Ethics	3
IDFM 322	Merchandising I for DMT	3	IDFM 322	Merchandising I for DMT	3
IDFM 332	History of 20th Century Fashion	3	IDFM 332	History of 20th Century Fashion	3
IDFM 333	Fashion Fundamentals	3	IDFM 333	Fashion Fundamentals	3
IDFM 334	Apparel Design Management	3	IDFM 334	Apparel Design Management	3
IDFM 410	IDFM Internship	3	IDFM 410	IDFM Internship	3
IDFM 421	Portfolio Design	3		Portfolio Design	3
IDFM 422	Textile Design and Performance	3	IDFM 422	Textile Design and Performance	3
IDFM 427	Visual Design III	3	IDFM 427	Visual Design III	3
IDFM 431	Clothing and Human Behavior	3	IDFM 431	Clothing and Human Behavior	3
IDFM 432	Visual Merchandising &	3	IDFM 432	Visual Merchandising & Promo	3

	Promo				
IDFM 433	Fashion Synthesis	3	IDFM 433	Fashion Synthesis	3
IDFM 435	Computer Applications in TAM	3	IDFM 435	Computer Applications in TAM	3
MGT 210	Organization and Management	3	MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3	MKT 220	Basic Marketing Concepts	3
Elective selected with advisor		3	Elective selected with advisor		3
	Total Hours	75		Total Hours	75

4. **Rationale for the proposed program change:**
   - Employers are looking for graduates that have a good understanding of autoCAD three-dimensional design, autoCAD rendering and interior design specification software. Creation of the IDFM 344 course will allow students to focus on skills needed to be successful in interior design studio courses.

University	Rendering Course
Appalachian State University	No
Ball State University	Yes
Bowling Green State University	Yes
Central Michigan University	no
East Carolina University	No
East Tennessee University	No
Florida Atlantic University	n/a
Illinois State University	Yes
Indiana State University	Yes
James Madison University	Yes
Middle Tennessee State University	Yes
Northern Illinois University	n/a
Ohio University	No
Towson University	n/a
University of North Carolina-Charlotte	No
University of North Carolina-Greensboro	No
University of South Alabama	n/a
University of Southern Mississippi	Yes

5. **Proposed term for implementation and special provisions:** Fall 2016

6. **Dates of prior committee approvals:**

Department of Family and Consumer Sciences   08/20/2015

CHHS Undergraduate Curriculum Committee   Sept. 18, 2015

Undergraduate Curriculum Committee   **October 22, 2015**

University Senate

College of Health and Human Services
School of Kinesiology, Recreation and Sport
Proposal to Revise Exercise Science Program
(Action Item)

Contact Person: Dr. Mark Schafer, mark.schafer@wku.edu, (270) 745-5857

1.   Identification of program:
      1.1   Current program reference number: 554P (seeking admission), 554 (officially admitted)
      1.2   Current program title: Exercise Science
      1.3   Credit hours: 55

2.   Identification of the proposed program changes:
- Eliminating one 3 hour course from admission requirements
- Adding additional options for an admission requirement
- Lowering total EXS program admission requirement by 3 hours
- Changing contact person/information regarding program applications

3.   Detailed program description:
      Current Program   **Proposed Program**

Program Description	New Program Description
The major in exercise science includes extensive study in various areas of exercise physiology, kinesiology, and biomechanics. Students who complete this degree will be prepared for certifications from organizations such as the American College of Sports Medicine (ACSM) and the National Strength and Conditioning Association (NSCA), and may pursue careers in such fields as fitness management, corporate fitness and health promotion, medically based fitness, and strength coaching, among others. The exercise science degree also prepares students for further post graduate study in areas such as physical therapy, occupational therapy, medicine, nutrition, and research. Students must maintain a "C" or better in each course in the major. Additionally, in accordance with university policy, an overall grade point average of 2.0 or better must be attained upon on the completion of required curriculum.	The major in exercise science includes extensive study in various areas of exercise physiology, kinesiology, and biomechanics. Students who complete this degree will be prepared for certifications from organizations such as the American College of Sports Medicine (ACSM) and the National Strength and Conditioning Association (NSCA), and may pursue careers in such fields as fitness management, corporate fitness and health promotion, medically based fitness, and strength coaching, among others. The exercise science degree also prepares students for further post graduate study in areas such as physical therapy, occupational therapy, medicine, nutrition, and research. Students must maintain a "C" or better in each course in the major. Additionally, in accordance with university policy, an overall grade point average of 2.0 or better must be attained upon on the completion of required curriculum.
To be admitted to the exercise science program, students must have • Completed ~~42-43~~ hours of coursework; • Completed the following courses with a grade of "C" or higher: EXS 122, 223, 296, HMD 211, SFTY 171, BIOL 131, CHEM 109 or CHEM 120/121, MATH 116,	To be admitted to the exercise science program, students must have • Completed **39-40** hours of coursework; • Completed the following courses with a grade of "C" or higher: EXS 122, 223, 296, HMD 211, SFTY 171, BIOL 131, CHEM 109 or CHEM 120/121, MATH 116,

~~PSY/PSYS 100,~~ SOCL 100 or GERO 100;
• A WKU and cumulative 2.5 GPA or higher;
• All application materials must be received by the application date in order to be fully considered for entrance into the program. A complete application packet would include: (1) application, (2) prerequisite coursework worksheet, and (3) resume.
• Work with your advisor regarding the appropriate time for the submission of your application. Please track your progress each semester and fill out the course prerequisite worksheet on the next page. You may submit your application when you are currently enrolled in your final 2 prerequisite courses and will be completing the total hours (**~~42 or 43~~**). Please submit your application a minimum of 3 weeks prior to your priority registration date. Any delay in receiving your application will limit your ability to enroll in the Exercise Science (EXS) courses. If there are any questions or concerns, please contact **~~Dr. Mark Schafer at 270-745-5857 or mark.schafer@wku.edu.~~**
Students must complete the following courses: EXS 122, 223, 296, 310, 311, 312, 313, 324, 325, 412, 420, 436, 446, 455, 496 or 498, HMD 211, and SFTY 171.

PSY/PSYS 100 or PSY/PSYS 220 or SOCL 100 or GERO 100;
• A WKU and cumulative 2.5 GPA or higher;
• All application materials must be received by the application date in order to be fully considered for entrance into the program. A complete application packet would include: (1) application, (2) prerequisite coursework worksheet, and (3) resume.
• Work with your advisor regarding the appropriate time for the submission of your application. Please track your progress each semester and fill out the course prerequisite worksheet on the next page. You may submit your application when you are currently enrolled in your final 2 prerequisite courses and will be completing the total hours (**39-40**). Please submit your application a minimum of 3 weeks prior to your priority registration date. Any delay in receiving your application will limit your ability to enroll in the Exercise Science (EXS) courses. If there are any questions or concerns, please contact **Kristeen Owens at 270-745-3153 or kristeen.tice-owens@wku.edu.**
Students must complete the following courses: EXS 122, 223, 296, 310, 311, 312, 313, 324, 325, 412, 420, 436, 446, 455, 496 or 498, HMD 211, and SFTY 171.

	Current Program					**Proposed Program**		
Prefix	#	Course Title	Hrs.		Prefix	#	Course Title	Hrs.
		Prerequisites					*Prerequisites*	
EXS	122	Foundations of Kin	3		EXS	122	Foundations of Kin	3
EXS	223	Intro to Exercise Science	3		EXS	223	Intro to Exercise Science	3
EXS	296	Practicum	3		EXS	296	Practicum	3
BIOL	131	Anatomy and Physiology	4		BIOL	131	Anatomy and Physiology	4
CHEM	109	Chemistry/Health Sci or	4		CHEM	109	Chemistry/Health Sci	4 or
CHEM	120/121	College Chemistry I/ Lab for College Chem I	5		CHEM	120/121	College Chemistry I/ Lab for College Chem I	5
MATH	116	College Algebra	3		MATH	116	College Algebra	3
~~PSY~~	~~100~~	~~Intro to Psychology~~	~~3~~					
SOCL	100	Intro to Sociology OR	3		**PSY/ PSYS**	**100**	**Intro to Psychology OR**	**3**
GERO	100	Intro to Gerontology			**PSY/ PSYS**	**220**	**Developmental Psychology OR**	

					SOCL	100	**Intro to Sociology OR**	
					GERO	100	**Intro to Gerontology**	
HMD	211	Human Nutrition	3		HMD	211	Human Nutrition	3
SFTY	171	CPR and First Aid	1		SFTY	171	CPR and First Aid	1
Completed ~~42-43~~ hours of coursework					Completed **39-40** hours of coursework			
		Major Requirements					*Major Requirements*	
EXS	122	Foundations of Kin	3		EXS	122	Foundations of Kin	3
EXS	223	Intro to Exercise Science	3		EXS	223	Intro to Exercise Science	3
EXS	296	Practicum	3		EXS	296	Practicum	3
EXS	310	Kinesiology	3		EXS	310	Kinesiology	3
EXS	311	Exercise Physiology	3		EXS	311	Exercise Physiology	3
PE	312	Basic Athletic Training	3		PE	312	Basic Athletic Training	3
EXS	313	Motor Learning & Control	3		EXS	313	Motor Learning & Control	3
EXS	324	Measurement and Evaluation	3		EXS	324	Measurement and Evaluation	3
EXS	325	Applied Exercise Physiology	3		EXS	325	Applied Exercise Physiology	3
EXS	412	Exercise Testing & Prescription	4		EXS	412	Exercise Testing & Prescription	4
EXS	420	Clinical Exercise Physiology	4		EXS	420	Clinical Exercise Physiology	4
EXS	436	Principles of Strength & Condit.	3		EXS	436	Principles of Strength & Condit.	3
EXS	446	Biomechanics	4		EXS	446	Biomechanics	4
EXS	455	Exercise and Aging	3		EXS	455	Exercise and Aging	3
EXS	496 or	Internship	6		EXS	496 or	Internship	6
EXS	498	Capstone Research			EXS	498	Capstone Research	
HMD	211	Human Nutrition	3		HMD	211	Human Nutrition	3
SFTY	171	CPR and First Aid	1		SFTY	171	CPR and First Aid	1
		Total	55				Total	55

4.   **Rationale for the proposed program change:**
   - In an attempt to align our prerequisites with the new Colonnade program, we are eliminating one of the 2 required prerequisite courses in the Social & Behavioral Science category under the Explorations section. We will now require that students only take 1 of the following courses: PSY/PSYS 100, PSY/PSYS 220, SOCL 100, or GERO 100.

- PSY/PSYS 220 is being added as one of the options to allow better flexibility to meet Colonnade and some graduate program prerequisites.
- Deletion of a required, 3-hour course allows for a decrease in completed coursework hours for admission to the program.
- We are also changing the contact information regarding applications to the program from Dr. Mark Schafer to Kristeen Owens due to adjustment of duties.

5.   Proposed term for implementation: Fall 2016

6.   Dates of prior committee approvals:

School of Kinesiology, Recreation & Sport	August 20, 2015
CHHS Undergraduate Curriculum Committee	Sept. 18, 2015
Undergraduate Curriculum Committee	**October 22, 2015**
University Senate	

University College
Proposal to Revise an Academic Policy
(Action Item)

Contact Person: Merrall Price merrall.price@wku.edu, x54200

1. **Identification of proposed policy revision:**

Change the current policy on reverse transfer for students with senior status to be more flexible and transfer-friendly by reversing the cap on reverse transfer hours.

2. **Catalog statement of existing policy:**

"Students must complete at least 16 hours of coursework in residency after the semester in which 90 cumulative hours of coursework were earned."

3. **Catalog statement of proposed policy:**

4. **Rationale for proposed policy revision:**

Though designed to limit the number of reverse transfer hours (defined as hours completed at another institution after taking courses at WKU), existing policy hurts our degree completion with returning students. Students who no longer live in the area and who may need less than a year's worth of classes to finish, often electives or general education, do not have the option of taking those classes locally and inexpensively, even though they have met the WKU 25% residency requirement, and, if they had completed those courses at any other time in their educational careers, we would happily have accepted them.

Instead, their only recourse is to take the classes online, if they happen to be offered, and pay an additional fee on top of WKU tuition. If the classes they need for graduation are not offered online, and they have to take them elsewhere, they then find they need to take additional unnecessary online classes in order just to fulfil their senior residency. Adult students already face considerable barriers to completing their degree programs: this additional barrier may well lead to some choosing not to complete their WKU degree at all.

This change would allow students who have met WKU's other residency requirements to transfer in classes they take elsewhere as seniors just as they could at any other stage in their academic career.

5. **Impact of proposed policy revision on existing academic or non-academic policies:**

5. 1 Impact on policies:

None. The other existing residency policies would remain in effect, namely: "Twenty-five percent of the coursework must be earned through instruction at WKU," and "At least 1/3 of the hours used in the major and minor must be earned through instruction at WKU."

5.2 Impact on populations that may be affected:

We anticipate that this will help encourage adult students with 90 or more hours to complete their degrees, in some cases by taking additional classes at WKU. This is a potentially large population: IR has generated a list of 3476 WKU students who began at WKU later than summer 2005 who have achieved senior status but who are not currently taking classes.

6. **Proposed term for implementation: Spring 2016**

7. **Dates of prior committee approvals:**

Department/ Unit	**N/A**
College Curriculum Committee (if applicable)	**N/A**
UCC Academic Policy Subcommittee (if applicable)	**10/22/2015**
Undergraduate Curriculum Committee	**10/22/2015**
University Senate	