The Undergraduate Curriculum Committee recommends approval of the following:

1. New Courses

**BMEN 458. Motion Biomechanics. (3-0). Credit 3.** Skeletal anatomy and mechanics; muscle anatomy and mechanics; theory and application of electromyography; motion and force measuring equipment and techniques; inverse dynamics modeling of the human body; current topics in musculoskeletal biomechanics research. Prerequisites: BMEN 207 or approval of instructor; junior or senior classification.

**RPTS 381. Visitor and Resource Protection II. (2-0). Credit 2.** Fundamental values and operations of the visitor and resource protection branch of the National Park Service; law enforcement, customer service, ethics and team cohesion. Prerequisites: RPTS 380; junior or senior classification; approval of instructor.

2. Change in Courses

**ENGR 111. Foundations of Engineering I.**

Prerequisites

From: Corequisite: MATH 151; admission to the College of Engineering.
To: Corequisite: MATH 150 or MATH 151; admission to the College of Engineering.

**ENGR 112. Foundations of Engineering II.**

Prerequisites

From: ENGR 111, MATH 151.
To: ENGR 111; MATH 151 or concurrent enrollment; admission to the College of Engineering.

**RPTS 304. Administration of Recreation Resource Agencies.**

Prerequisites

From: RPTS 201 and RPTS 209; RENR 201.
To: RPTS 201.

**RPTS 336. Research and Analysis in Recreation and Tourism.**

Prerequisites

From: RENR 201 and STAT 201 or equivalents; all mathematics requirements satisfied.
To: RENR 201 or RPTS 230 or equivalent; STAT 201 or equivalent; all mathematics requirements satisfied.

**RPTS 421. Planning and Implementation of Events in Resorts and Hotels.**

Course title

From: Planning and Implementation of Events in Resorts and Hotels.
To: Hotel and Resort Operations.
From: Principles and applications for effective planning and management of events in resorts and hotels; planning, promotion, operational logistics, sponsorship and evaluation.
To: Examination of the crucial elements involved in the successful operation of a hotel or resort and how they interrelate; analysis and application of management principles in the major departments of hotels and resorts to include rooms division, food and beverage, recreation, sales and marketing.

**RPTS 484. Internship.**

**Prerequisites**

From: Approval of department head.
To: RPTS 311, RPTS 340 and RPTS 481.
NEW COURSES
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Biomedical Engineering
3. Course prefix, number and complete title of course: BMEN 458: Motion Biomechanics

4. Catalog course description (not to exceed 50 words):
Skeletal anatomy and mechanics; muscle anatomy and mechanics; theory and application of electromyography; motion and force measuring equipment and techniques; inverse dynamics modeling of the human body; current topics in musculoskeletal biomechanics research.

5. Prerequisite(s):
BMEN 207 or consent of instructor, junior or senior classification.

Cross-listed with: ☐
Stacked with: BMEN 658 (also new)

Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☑ No
If yes, from ________ to ________

7. Is this a repeatable course? ☑ No
If yes, this course may be taken ________ times.

Will this course be repeated within the same semester? ☑ Yes
No

8. Will this course be submitted to the Core Curriculum Council? ☑ No
☐

9. How will this course be graded: ☑ Grade ☐ S/U ☑ P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

BS BMEN

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-control/export-controls-basics-for-distance-education).

13. Prefix | Course # | Title (excluding punctuation)
--- | --- | ---
BMEN | 458 | MOTION BIOMECHANICS

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>FICE Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.00</td>
<td>0.00</td>
<td>0.00</td>
<td>3.00</td>
<td>1405010006</td>
<td>0450</td>
<td>17</td>
<td>18</td>
</tr>
</tbody>
</table>

Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee Date

Department Head or Program Chair (Type Name & Sign) Date
(if cross-listed course)

Dean of College Date

Submitted to Coordinating Board by:

Chair, GC or UCC Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 07/14
**Course and title:** BMEN 458/658 – Motion Biomechanics  
**Term:** Fall 2016  
**Course Credit:** 3 (3-0)  

**Instructor:** Prof. Michael Madigan  
**Office:** 5063 Emerging Technologies Building (ETB)  

**Office Hours:** TR 10:50-11:30 am  
**E-mail:** mlm@tamu.edu  

**Class Time:** T/Th 9:35-10:50 am  
**Classroom:** ETB 5039  

**Learning Objectives:** Students will be able to:  
- Explain the anatomy and physiology involved in a muscle contraction  
- Describe biomechanical factors that affect muscle force production  
- Quantify muscle force, muscle activation timing, and localized muscle fatigue using electromyography and signal processing techniques  
- Measure human balance a force platform and signal processing techniques  
- Apply rigid-body dynamics to the human body to estimate internal loads on the musculoskeletal system  
- Use computer code to analyze data collected in a research laboratory to extract meaningful information  
- Describe state-of-the-art equipment used in biomechanics research, including their usefulness and limitations  

**Course Description:** Skeletal anatomy and mechanics; muscle anatomy and mechanics; theory and application of electromyography; motion and force measuring equipment and techniques; inverse dynamics modeling of the human body; current topics in musculoskeletal biomechanics research.  

**Undergraduate Prerequisite:** Junior or senior classification in engineering, and BMEN 207. Students should also have at least a basic proficiency using Matlab.  

**Graduate Prerequisite:** Graduate classification. Students should have at least a basic proficiency using Matlab.  

**Textbook:** There is no required textbook for this class. Frequent handouts will be provided to support lecture material. Supplementary textbooks include:  
- Biomechanics and Motor Control of Human Movement. D.A. Winter  
- Biomechanics of the Musculoskeletal System. B.M. Nigg & W. Herzog  
- Biomechanics and Biology of Movement. Nigg, Macintosh, Mester, Eds  
- Neuromechanics of Human Movement. R. Enoka  

**Attendance Policy:** Work missed due to absences will only be excused for University-approved activities in accordance with Texas A&M University Student Rules (http://student-rules.tamu.edu/rule07). You are responsible for all course material presented. A request for a rescheduled assignment must be made at least one week before the regularly scheduled date (except in unavoidable situations, such as a medical emergency consistent with Student Rules).
Grading:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Reports</td>
<td>40 %</td>
</tr>
<tr>
<td>Tests (2)</td>
<td>25 % each</td>
</tr>
<tr>
<td>Project</td>
<td>10 %</td>
</tr>
</tbody>
</table>

There is no Final Exam for this class

Final grades are expected to be distributed according to the following percentage scale, and may be scaled (curved) to match class performance:

A = 90–100%, B = 80–89.9%, C = 70–79.9%, D = 60–69.9%, F < 60%.

Course Outline (subject to change as necessary):

- Week 1  Movement terminology, bone and muscle anatomy and physiology
- Week 2  Muscle function, library research skills
- Week 3  Muscle function
- Week 4  Muscle physiology, electromyography
- Week 5  Electromyography signal processing
- Week 6  Force platforms, human balance
- Week 7  Force platform signal processing
- Week 8  Motion analysis systems, link-segment modeling
- Week 9  Kinematic data processing
- Week 10  Kinematic data processing
- Week 11  Inverse dynamics analyses
- Week 12  Project presentations
- Week 13  Project presentations
- Week 14  Inverse dynamics analyses

Lab Reports: Each lab will culminate in a lab report that must be written in the format of a typical journal article. It should document the experiment and your results, and answer questions on the lab assignment. You must also quantitatively compare your results to at least two peer-reviewed journal articles in each lab report. (This means you need to explicitly compare some numbers derived from your analysis with numbers from other studies.) You are encouraged to discuss approaches to problems with your classmates, but your final MATLAB code and lab report must be your own independent work. Lab reports should be no longer than 2 pages (one side is a page), and font no smaller than 11 point. Students in BMEN 658 will be required to answer additional questions on lab reports, reference at least five peer-reviewed journal articles in each lab report, and their reports should be no longer than 3 pages.

Project: The project consists of a written paper and class presentation summarizing the current state of knowledge on a topic related to musculoskeletal biomechanics. Some possible general topic areas include: falls in the elderly, low back pain/injury, gait, and athletic performance. The paper’s content should also have a healthy amount of quantitative biomechanical data. You are not expected to perform any kind of analysis for this paper. It is meant to be a literature review of a topic of your choosing. During your presentations, your audience is the class (not me) and you will be expected to teach the class about your topic because everyone will be tested over the material presented. The written paper will be a maximum of 3 pages in length (single spaced), and the class presentation will be 10-12 minutes. Your paper should cite at least five references, with at least three different journals and three different sets of investigators. Web pages do not count as references. Assume your audience for the presentation and paper is your class. For students in BMEN 458, you will work in groups of two. For students in BMEN 658, you will work by yourself.

The paper will count as 50% of your project grade, and the presentation 50% of your project grade.
Project Deadlines: All items due at the beginning of class on the due date.
Topic statement: Sept 20
Written paper: TBD
Class presentations: TBD

Americans with Disabilities Act Policy Statement:
The Americans with Disabilities Act is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, located at Students Services @ White Creek, or call 845-1637. For additional information please visit http://disability.tamu.edu.

Academic Integrity Statement:
Aggie Honor Code: “An Aggie does not lie, cheat, or steal or tolerate those who do.” http://aggiehonor.tamu.edu
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DOS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Recreation, Park and Tourism Sciences
   RPTS 381 Visitor and Resource Protection II
3. Course prefix, number and complete title of course:
4. Catalog course description (not to exceed 50 words):
   Fundamental values and operations of the visitor and resource protection branch of the National Park Service; law enforcement, customer service, ethics, and team cohesion.

5. Prerequisite(s):
   RPTS 380; Junior or senior standing; Permission of the Instructor.

6. Is this a variable credit course? ☐ Yes ☑ No If yes, from ______ to ______
7. Is this a repeatable course? ☐ Yes ☑ No If yes, this course may be taken ______ times.
   Will this course be repeated within the same semester? ☐ Yes ☑ No
8. Will this course be submitted to the Core Curriculum Council? ☐ Yes ☑ No
9. How will this course be graded: ☑ Grade ☐ S/J ☐ P/F (CLMD)
10. This course will be:
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
      B.S. in Recreation, Park and Tourism Sciences and other undergraduate majors
11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)
    RPTS 381 Visitor Resource Protection II

    | Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acad. Year | HCE Code |
    |-------|-----|-------|-----|-------------------|-------------|------------|----------|
    | 2.00  | 0.00| 0.00  | 2.00| 529030016         | 2502        | 17         | 20       |

   Approval recommended by:
   **Gary D. Ellis, PhD**
   Chair, College Review Committee
   Date 2/24/16

   Department Head or Program Chair (Type Name & Sign) Date
   (if cross-listed course)

   Submitted to Coordinating Board by:
   **Chair, GC or UCC**
   Date

   Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 07/14
Course title and number  RPTS 381  Visitor and Resource Protection II
Term                  Fall 2016
Meeting times and    Thursday 5pm – 7pm in AGLS 125
location

Credits: 2
Prerequisites: Junior or Senior Status; Permission of the Instructor

Instructor Information

Name               Lavell Merritt, Jr., PhD
Phone              956-754-0006
Email address      Lavell_Merritt@nps.gov
Office hours       1:00pm – 3:00pm Tuesday – Thursday
Office location    AGLS 426

Course Description

Fundamental values and operations of the visitor and resource protection branch of the National Park Service; law enforcement, customer service, ethics, and team cohesion.

Course Background and Format

Students will be prepared to enter the National Park Service Law Enforcement Training Academy. The course focuses on developing the student’s ability to fully contribute to National Park operations. The class content is based on the Federal Law Enforcement Training Center National Park Service Land Management Police Training Program.

Learning Outcomes

Students who successfully and satisfactorily complete this course will:

1) Identify the National laws and regulations that are enforced in our National Parks.
2) Discuss how NPS law enforcement contributes to the mission of the National Park Service.
3) Define the different types of jurisdiction impacting NPS Law Enforcement Park Rangers.
4) Describe the federal authority entrusted upon NPS Law Enforcement Park Rangers.
5) At the park level, identify the sources of regulations that Park Rangers enforce in National Parks.
Textbook and/or Resource Material (It is not necessary to purchase these texts)


DOI Ethics Guide for Dept of the Interior Employees


Reference Manual - 9

Reference Manual - 43

FLETC Legal Division Handbook

Grading Policies

1) Class Participation 10%
2) Attendance 5%
3) Exams 30%
4) Presentation 25%
5) Physical Efficiency Battery 30%
Total 100%

A=90-100 points
B=80-89.9 points
C=70-79.9 points
D=60-69.9 points
F<60 points

Class participation is defined by the students’ active performance in the class. Students must speak in class, ask questions, offer ideas, and physically participate in assignments and class activities.

Attendance will be taken each class day. Students can miss up to 2 classes with prior notice to the instructor. The third missed class will result in the student’s grade being lowered by 10 points unless students provide University-excused absence documentation.

The university attendance policy can found at this link to student rule 7 http://student-rules.tamu.edu/rule07. Students can meet with the instructor to make up missed classes.
Exams & Assignments

a. Exam I
   Point Value = 10 points

b. Exam II
   Point Value = 10 points

c. Exam III
   Point Value = 10 points

d. 2016 Host Park Goals and Objectives Presentation – Due December 2016
   Students will create a 5 minute Powerpoint including:
   • an overview of themselves
   • a descriptions of their host park
   • a map of the host park
   • a description of the local community,
   • the cadet’s planned accomplishments over the course of the summer internship
   Point Value = 25 points

e. Physical Efficiency Battery
   The physical fitness battery is described here: https://www.fletc.gov/physical-efficiency-battery-peb. Students will be trained in the PEB throughout the course leading to graded testing of students on the following dates. Each test is worth 10 points.
   September 18
   October 13
   December 1
   Total Point Value = 30 points

Americans with Disabilities Act (ADA)
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you would like to be considered for disability accommodations, you must first register with Disability Services and provide medical documentation to support your request for consideration. Disability Services is currently located at the White Creek complex on west campus. For additional information, call 979-845-1637 or visit http://disability.tamu.edu. (Revised 11-20-15)

Academic Integrity
For additional information please visit: http://aggiehonor.tamu.edu  “An Aggie does not lie, cheat, or steal, or tolerate those who do.”
Fall Semester 2016 Schedule

September 1, 2016 Week One
NPS History and Mission of Law Enforcement
Instructor: ProRanger Program Manager Lavell Merritt, Jr. PhD

ENABLING PERFORMANCE OBJECTIVES (EPO):

- EPO#1: Identify the National Park Service Mission as established by enabling legislation, “The Organic Act”.

- EPO#2: Describe and identify the evolution of law enforcement in the National Park Service, highlight watershed events and the circumstances that led to a revision of the law enforcement authority of NPS employees in the 1970s.

- EPO#3: Identify the authority of National Park Service employees at the creation of the service and the current authority of National Park Service law enforcement rangers.

September 08, 2016 Week Two
Ethical Behavior and Core Values
Instructor: US Park Ranger Justin Patino El Morro National Monument
Required Reading: RM9 Ch4
Class Meets at TAMU AGLS 125

ENABLING PERFORMANCE OBJECTIVES (EPO):

- EPO #1: Identify the Federal Law Enforcement Code of Conduct as defined by the Department of Interior and found in RM-9.

- EPO #2: Identify the 11 standards of RM-9 4.2.2

- EPO #3: Identify the requirements to obtain outside employment

- EPO #4: Identify the Oath of Office

- EPO #5: Identify the steps to follow when reporting a violation of standards.

September 18, 2016 Week Three
Physical Fitness for the NPS
Instructor: US Park Ranger Travis Heinrich Glen Canyon National Recreation Area
Class Meets at PVAMU Student Recreation Center

ENABLING PERFORMANCE OBJECTIVES (EPO):

- EPO #1: Measure for current height and weight; body weight will be determined by a calibrated scale.

- EPO #2: Measure current level of body fat to lean muscle through the use of a skin fold calipers.

- EPO #3: Perform a proper warm-up prior to engaging in any of the physically
demanding components of the PEB.

- EPO #4: Demonstrate speed and agility through performance of the Illinois agility run.
- EPO #5: Demonstrate flexibility of the lower back, hamstrings, and shoulder musculature through the performance of the trunk flexion test.
- EPO #6: Demonstrate muscular strength through performance of the bench press test which is a ratio of the maximum amount lifted and the individual’s body weight.
- EPO #7: Demonstrate cardiovascular endurance through performance of the 1.5 mile run.
- EPO #8: Identify the level of performance in each assessment area by comparing the student’s performance value to the corresponding PEB score and understanding that a score at the 25th percentile or higher in each area excluding the body composition and flexibility represents an acceptable level of physical fitness.

September 25, 2016 Week Four
NPS Law Enforcement Program
Instructor: US Park Ranger Jonathan Moul Grand Teton National Park
Required Reading: RM9 Ch 1
Class Meets at TAMU AGLS 125

ENABLING PERFORMANCE OBJECTIVES (EPO):

- EPO #1: Identify where the NPS gets its authority to enforce laws
- EPO #2: Identify the five Key Definitions of RM-9 Ch.1, Sec. 2.
- EPO #3: Identify and describe the different roles and functions of the following:
  - Departmental Law Enforcement Official
  - Director
  - Associate Director, Visitor and Resource Protection, WASO
  - Deputy Associate Director, Visitor and Resource Protection, WASO
  - Chief, Division of Law Enforcement, Security and Emergency Services, WASO
  - Deputy Chief, Law Enforcement, Security and Emergency Services,
  - Operations and Policy, WASO
  - Regional Director
  - Park Superintendent
  - Regional Chief Ranger
  - Regional Law Enforcement Specialist
  - Chief Ranger/Senior Law Enforcement Officer
  - Park Ranger – Law Enforcement (GL-025, GS-025, GL-099, GS-099)
  - Deputy Chief, LESES, Investigative Services Branch (GS-1811) (Formerly National Special Agent in Charge)
  - Branch Chief, Office of Professional Responsibility
  - Special Agent in Charge (GS-1811)
ENABLING PERFORMANCE OBJECTIVES (EPO):

- EPO #1: Identify the Source of Authority for NPS LE
- EPO #2: Describe the Intent of the Authorities Act
- EPO #3: Describe the Scope of Authority of NPS LE Rangers
- EPO #4: Identify the differences between a Type I and Type II Law Enforcement Commission
- EPO #5: Identify the differences between “On” and “Off” Duty Status

ENABLING PERFORMANCE OBJECTIVES (EPO):

- EPO #1: Measure for current height and weight; body weight will be determined by a calibrated scale.
- EPO #2: Measure current level of body fat to lean muscle through the use of a skin fold calipers.
- EPO #3: Perform a proper warm-up prior to engaging in any of the physically demanding components of the PEB.
- EPO #4: Demonstrate speed and agility through performance of the Illinois agility run.
- EPO #5: Demonstrate flexibility of the lower back, hamstrings, and shoulder musculature through the performance of the trunk flexion test.
- EPO #6: Demonstrate muscular strength through performance of the bench press test which is a ratio of the maximum amount lifted and the individual’s body weight.
- EPO #7: Demonstrate cardiovascular endurance through performance of the 1.5 mile run.
- EPO #8: Identify the level of performance in each assessment area by comparing the student’s performance value to the corresponding PEB score and understanding that a score at the 25th percentile or higher in each area excluding the body composition and flexibility represents an acceptable level of physical fitness.
**Jurisdiction**
Instructor: US Park Ranger Trent Haire Gulf Islands National Seashore
Required Reading: RM9 Ch 3
Class Meets at TAMU AGLS 125

ENABLING PERFORMANCE OBJECTIVES (EPO):
- EPO #1: Define “Jurisdiction”
- EPO #2: Identify the different types of Jurisdiction
- EPO #3: Identify the applicability of 36 C.F.R.
- EPO #4: Define a Jurisdictional Inventory

**October 27, 2016 Week Eight**
*Federal Criminal Law*
Instructor: US Park Ranger Erick Garza Coronado National Memorial
Class Meets at TAMU AGLS 125

ENABLING PERFORMANCE OBJECTIVES (EPO):
- EPO #1: Identify the distinctions between crimes and torts, criminal law and civil law.
- EPO #2: Identify the elements of a criminal statute.
- EPO #3: Distinguish between a felony and a misdemeanor.
- EPO #4: Describe the difference between crimes that require specific intent and crimes that require only general intent.
- EPO #5: Identify when a person may be prosecuted as a principle, accessory after the fact, or has committed misprision of felony, in accordance with 18 U.S.C. §§ 2 through 4.
- EPO #6: Identify the statute of limitations for capital and non capital offenses.

**November 3, 2016 Week Nine**
*Uniform and Appearance Standards*
Instructor: US Park Ranger Rosileen Ferioli Independence National Historical Park
Required Reading: RM9 Ch 29 & RM43
Class Meets at PVAMU Student Recreation Center

ENABLING PERFORMANCE OBJECTIVES (EPO):
- EPO #1: Describe the Uniform and Appearance Standards
- EPO #2: Identify the different types of Duty Gear to be worn while on duty.

**November 10, 2016 Week Ten**
*Employee Health*
Instructor: US Park Ranger Sean McNeil Guadalupe Mountains National Park
Required Reading: RM9 Ch 41 & RM 57
Class Meets at TAMU AGLS 125

ENABLING PERFORMANCE OBJECTIVES (EPO):
- EPO #1: Identify the Medical Standards and Fitness Requirements policies
- EPO #2: Identify CISM

November 17, 2014 Week Eleven  
Host Park Presentations  
Class Meets at TAMU AGLS 125

- Cadets will give oral presentations

November 25, 2016 No Class Thanksgiving Holiday

December 1, 2016 Week Twelve  
*Physical Fitness for the NPS*  
Instructor: ProRanger Program Manager Lavell Merritt PhD  
Class Meets at PVAMU Student Recreation Center

ENABLING PERFORMANCE OBJECTIVES (EPO):
- EPO #1: Measure for current height and weight; body weight will be determined by a calibrated scale.

- EPO #2: Measure current level of body fat to lean muscle through the use of a skin fold calipers.

- EPO #3: Perform a proper warm-up prior to engaging in any of the physically demanding components of the PEB.

- EPO #4: Demonstrate speed and agility through performance of the Illinois agility run.

- EPO #5: Demonstrate flexibility of the lower back, hamstrings, and shoulder musculature through the performance of the trunk flexion test.

- EPO #6: Demonstrate muscular strength through performance of the bench press test which is a ratio of the maximum amount lifted and the individual’s body weight.

- EPO #7: Demonstrate cardiovascular endurance through performance of the 1.5 mile run.

- EPO #8: Identify the level of performance in each assessment area by comparing the student’s performance value to the corresponding PEB score and understanding that a score at the 25th percentile or higher an acceptable level of physical fitness.
CHANGE IN COURSES
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions:
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DMD, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): College of Engineering
3. Course prefix, number and complete title of course: ENGR 111 Foundations of ENGR I

Attach a brief supporting statement for changes made to items 4.a through 4.d and 10 below.
4. Change requested
   a. Prerequisite(s): From: Corequisite: MATH 151; admission to Dwight Look College of Engineering.
      To: Corequisite: MATH 151 or 153; admission to Dwight Look College of Engineering.
   b. Withdrawal (reason): 
   c. Cross-list with:

   Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course? ☑ Yes ☐ No
6. If grade type is changing for existing course, indicate the new grade type: ☑ Grade ☐ S/U ☐ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course:
   ☐ I verify that I have reviewed the FAQ for Export Controls Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
8. Complete current course title and current catalog course description:

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR</td>
<td>111</td>
<td>ENGR 111 Foundations of ENGR I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>HCE Code</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>3.00</td>
<td></td>
<td>2.00</td>
<td></td>
<td></td>
<td>0 0 3 6 3 2</td>
<td></td>
</tr>
</tbody>
</table>

   b. Change to:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>HCE Code</th>
<th>Level</th>
</tr>
</thead>
</table>

   Approval recommended by:

   Department Head or Program Chair (Type Name & Sign) Date
   Chair, College Review Committee Date
   Dean of College Date
   Chair, GC or UCC Date
   Curricular Services Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Hi Sandra,

Will this do?

Due to recent changes in ENGE admissions and Entry to a Major requirements, the College of Engineering is now allowing students to take ENGR 111 with MATH 150 or 151, and then continue with the ENGR 112 sequence by allowing a co-enrollment of MATH 151.

Regards,

Sally Kallina

Sally S. Kallina ’85, M.Ed. | Senior Academic Advisor |
Engineering Activities Building B
Engineering Academic and Student Affairs (EASA)
Dwight Look College of Engineering | Texas A&M University
3127 TAMU | College Station, TX 77843-3127

Click here to make an appointment!

ph: 979.845.7200 | fax: 979.847.8654 | skallina@tamu.edu

http://engineering.tamu.edu/easa

Engineers change the world.

This e-mail and any files transmitted with it are confidential. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited. If you have received this e-mail transmission in error, please notify me by telephone or via return e-mail and delete this e-mail with all information from your system.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

Form Instructions
1. Course request type:  
   - Undergraduate  [✓]  
   - Graduate  [ ]  
   - First Professional (DDS, MD, JD, PharmD, DVM)  [ ]
2. Request submitted by (Department or Program Name): College of Engineering
3. Course prefix, number and complete title of course: ENGR 112 Foundations of ENGR II

   Attach a brief supporting statement for changes made to items 4a thru 4d and 10 below.

4. Change requested
   a. Prerequisite(s): From:  
   b. Withdrawal (reason):  
   c. Cross-list with:  
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?  
   - No  [✓]
   - Yes  [ ]

6. If grade type is changing for existing course, indicate the new grade type:  
   - Grade  [ ]
   - S/U  [ ]
   - P/F (CLMD)  [ ]

7. If this course will be stacked, please indicate the course number of the stacked course:  

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR</td>
<td>112</td>
<td>ENGR 112 FOUNDATIONS OF ENGR II</td>
</tr>
<tr>
<td>Lect.</td>
<td>Lab</td>
<td>Other</td>
</tr>
<tr>
<td>1.00</td>
<td>3.00</td>
<td>2.00</td>
</tr>
</tbody>
</table>

b. Change to:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lect.</td>
<td>Lab</td>
<td>Other</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Approval recommended by:

Department Head or Program Chair (Type Name & Sign)  
Date  
Chair, College Review Committee  
Date

Department Head or Program Chair (Type Name & Sign)  
(Date if cross-listed course)  
Date  
Dean of College  
Date

Submitted to Coordinating Board by:

Chair, GC or UCC  
Date  
Effected Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 08/14
Hi Sandra,

Will this do?

Due to recent changes in ENGE admissions and Entry to a Major requirements, the College of Engineering is now allowing students to take ENGR 111 with MATH 150 or 151, and then continue with the ENGR 112 sequence by allowing a co-enrollment of MATH 151.

Regards,

Sally Kallina

Sally S. Kallina ’85, M.Ed. | Senior Academic Advisor
Engineering Activities Building B
Engineering Academic and Student Affairs (EASA)
Dwight Look College of Engineering | Texas A&M University
3127 TAMU | College Station, TX 77843-3127

Click here to make an appointment!

ph: 979.845.7200 | fax: 979.847.8654 | skallina@tamu.edu

http://engineering.tamu.edu/easa

Engineers change the world.

This e-mail and any files transmitted with it are confidential. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited. If you have received this e-mail transmission in error, please notify me by telephone or via return e-mail and delete this e-mail with all information from your system.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments.

Form Instructions
1. Course request type: [ ] Undergraduate [ ] Graduate [ ] First Professional (DDS, MD, JD, PharmD, D/V/A)
2. Request submitted by (Department or Program Name): Department of Recreation, Park and Tourism Sciences
3. Course prefix, number and complete title of course: RPTS 304 Administration of Recreation Resource Agencies
   a. Prerequisite(s): From:
   b. Withdrawal (reason):
   c. Cross-list with:
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and 1b for a change in title.
   e. Change in course number, contact hours (lab & lecture) and semester credit hours. Complete item 11a and 1b. Attach a course syllabus.
5. Is this an existing core curriculum course? [ ] Yes [ ] No
6. If grade type is changing for existing course, indicate the new grade type: [ ] Grade [ ] S/U [ ] P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course: [ ] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
8. Complete current course title and current catalog course description:
   Contemporary issues and related administrative practices associated with the provision of recreation services and settings; addresses principles associated with recreation resource agency administration; personnel and customer-related administrative issues in recreation resource agencies; concepts and principles relevant to commercial and non-profit recreation resource agencies.
9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:
    Prefix: RPTS
    Course #: 304
    Title (excluding punctuation): Administration of Recreation Resource Agencies
    Lect. Lab Other SCH CIP and Fund Code Admin. Unit FICE Code
    3.00
    b. Change to:
    Prefix: RPTS
    Course #: 304
    Title (excluding punctuation): Administration of Recreation Resource Agencies
    Lect. Lab Other SCH CIP and Fund Code Admin. Unit FICE Code

Approval recommended by:
Gary D. Ellis, PhD
Department Head or Program Chair (Type Name & Sign) Date 2/17/16

Department Head or Program Chair (Type Name & Sign) Date
N/A

Approved by:
Chair, College Review Committee Date 3/7/16

Chair of College Date

Submit to Coordinating Board by:
Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services - 08/14
RPTS 304

Justification for change in pre-requisites:

RPTS 209 is no longer required of all RPTS majors, and instructors no longer find the content of RPTS 209 vital to RPTS 304.

RENR 201 will change to RPTS 230. The computer applications covered in this course are no longer essential to RPTS 304.
Texas A&M University

Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions

1. Course request type: ☑ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Department of Recreation, Park and Tourism Sciences

3. Course prefix, number and complete title of course: RPTS 336 Research and Analysis in Recreation and Tourism

4. Change requested
   a. Prerequisite(s): From: RENR 201 and STAT 201 or equivalents; all mathematics requirements satisfied. To: RENR 201 or RPTS 230 or equivalent; STAT 201 or equivalent; all mathematics requirements satisfied.
   b. Withdrawal (reason):
   c. Cross-list with:

   Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? □ Yes ☑ No

6. If grade type is changing for existing course, indicate the new grade type: ☑ Grade S/U ☑ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course: I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-fcr-distance-education).

8. Complete current course title and current catalog course description:

Examination of current tourism and recreation research emphasizing specialized research methodology, adaptive techniques and methods of research useful to the recreation and tourism professional; analysis of the methods of problems identification, formulation and solution.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

<table>
<thead>
<tr>
<th>Pref</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPTS</td>
<td>336</td>
<td>Research and Anal in Rec Tour</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>FICE Code</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.00</td>
<td></td>
<td></td>
<td>3.00</td>
<td>529030016</td>
<td>2502</td>
<td>0 0 3 6 3 2</td>
<td>3</td>
</tr>
</tbody>
</table>

b. Change to:

<table>
<thead>
<tr>
<th>Pref</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>FICE Code</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0 0 3 6 3 2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Approval recommended by: Gary D. Ellis, PhD
Department Head or Program Chair (Type Name & Sign) Date: 2/19/16

Chair, College Review Committee Date: 3/19/16
Dean of College Date: 3/17/16

Submitted to Coordinating Board by: Chair, GC or UCC
Date: 3/19/16

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services • 08/14

RECEIVED
MAR 08 2016
CURRICULAR SERVICES
RPTS 336

Justification for change in pre-requisites:

RENR 201 will change to RPTS 230 in Fall 2017. Both courses will be accepted as pre-requisites.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DMD, MD, JD, NatD, DVM)
2. Request submitted by (Department or Program Name): Department of Recreation, Park and Tourism Sciences
3. Course prefix, number and complete title of course: RPTS 421 Planning and Implementation of Events in Resorts and Hotels

4. Change requested
   a. Prerequisite(s): From: __________________________ To: __________________________
   b. Withdrawal (reason): __________________________
   c. Cross-list with: __________________________________________
      Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course? ☐ Yes ☑ No
6. If grade type is changing for existing course, indicate the new grade type: ☐ Grade ☑ S/U ☐ P/F (CLAD)
7. If this course will be stacked, please indicate the course number of the stacked course:
   ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
8. Complete current course title and current catalog course description:
   Principles and applications for effective planning and management of events in resorts and hotels; planning, promotion, operational logistics, sponsorship and evaluation.

Planning and Implementation of Events in Resorts and Hotels

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
   Hotel and Resort Operations. Examination of the crucial elements involved in the successful operation of a hotel or resort and how they interrelate; analysis and application of management principles in the major departments of hotels and resorts to include rooms division, food and beverage, recreation, sales and marketing.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

   Prefix | Course # | Title (excluding punctuation) | Lect. | Lab | Other | SCH | CIP' and Fund Code | Admin. Unit | CICE Code | Level
   RPTS | 421 | PLAN IMPLMT OF EVENTS | 3.00 | 0.00 | 0.00 | 3.00 | 529030016 | 2502 | 0 0 3 6 3 2 | 4

   b. Change to:

   Prefix | Course # | Title (excluding punctuation) | Lect. | Lab | Other | SCH | CIP' and Fund Code | Admin. Unit | Acad. Year | FICE Code | Level
   RPTS | 421 | HOTEL RESORT OPERATIONS | 3.00 | 0.00 | 0.00 | 3.00 | 529030016 | 2502 | 17 18 | 0 0 3 6 3 2 | 4

Approval recommended by:
Gary D. Ellis, PhD
Department Head or Program Chair (Type Name & Sign) Date 2/24/16
Chair, College Review Committee Date 3/16

Department Head or Program Chair (Type Name & Sign) Date (if cross-listed course)
Dean of College Date 3/16

Submitted to Coordinating Board by:
Chair, GC or UCC Date

Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
RPTS 421 Change in Course

Current name & Description:

Planning and Implementation of Events in Resorts and Hotels. Principles and applications for effective planning and management of events in resorts and hotels; planning, promotion, operational logistics, sponsorship and evaluation.

Proposed name & Description:

Hotel and Resort Operations. Examination of the crucial elements involved in the successful operation of a hotel or resort and how they interrelate; analysis and application of management principles in the major departments of hotels and resorts to include rooms division, food and beverage, recreation, sales and marketing.

Justification:

This course is part of the on-line Certificate in Hospitality. Faculty determined that the revised content is needed by students entering this field. The event-oriented content is available to students through other courses offered by the RPTS department.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type: □ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Recreation, Park and Tourism Sciences
3. Course prefix, number and complete title of course: RPTS 484 Internship
4. Change requested
   a. Prerequisite(s): From: Approval of the department head. To: RPTS 311, RPTS 340 and RPTS 481.
   b. Withdrawal (reason):
   c. Cross-list with: 
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course? □ Yes □ No
6. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course: 
8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
9. Complete current course title and current catalog course description:
   Practical experience working in a professional recreation, park or tourism setting. Offered on an individual basis. May be repeated for credit.
10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPTS</td>
<td>484</td>
<td>Internship</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>FICE Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>529030016</td>
<td>2502</td>
<td>0 0 3 6 3 2</td>
<td>4</td>
</tr>
</tbody>
</table>

b. Change to:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>FICE Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0 0 3 6 3 2</td>
<td></td>
</tr>
</tbody>
</table>

Approval recommended by: Gary D. Ellis, PhD
Department Head or Program Chair (Type Name & Sign) Date
N/A
Department Head or Program Chair (Type Name & Sign) Date
(if cross-listed course)

Chair, College Review Committee
Date
Dean of College
Date

Submitted to Coordinating Board by: Chair, GC or UCC
Date
Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 08/14
RPTS 484

Justification for change in pre-requisites:

Approval of the Department Head has not been enforced for many years. Students have been required to take RPTS 311, 340 and 481 as pre-requisites to RPTS 484 (Internship) for at least 5 years, but this was not formalized nor enforced by the Registrar. Formalizing these pre-requisites will ensure that students are informed well ahead of the semester of their internship.