

# Cover Sheet: Request 11239

## OTH 6xxx Functional Kinesiology

### Info

Process	Course New Ugrad/Pro
Status	Pending
Submitter	Myers,Christine T ctmyers@phhp.ufl.edu
Created	11/2/2016 5:24:17 PM
Updated	11/22/2016 10:26:41 AM
Description of request	Human movement during performance of activities; the Kinematics and the forces influencing movement: applying an understanding of human movement that is foundational for rehabilitation.

### Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	PHHP - Occupational Therapy 313303000	Pugh, Emily Strayer		11/15/2016
No document changes					
College	Approved	PHHP - College of Public Health and Health Professions	HANSON, STEPHANIE L.		11/15/2016
No document changes					
University Curriculum Committee	Comment	PV - University Curriculum Committee (UCC)	Case, Brandon	Added to the December agenda.	11/22/2016
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			11/22/2016
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

# Course|New for request 11239

## Info

**Request:** OTH 6xxx Functional Kinesiology

**Description of request:** Human movement during performance of activities; the Kinematics and the forces influencing movement: applying an understanding of human movement that is foundational for rehabilitation.

**Submitter:** Myers,Christine T ctmyers@phhp.ufl.edu

**Created:** 12/8/2016 8:02:21 AM

**Form version:** 4

## Responses

**Recommended Prefix**OTH

**Course Level** 6

**Number** xxx

**Category of Instruction** Intermediate

**Lab Code** None

**Course Title**Functional Kinesiology

**Transcript Title**Function Kinesiology

**Degree Type**Professional

**Delivery Method(s)**On-Campus

**Co-Listing**No

**Effective Term** Spring

**Effective Year**2018

**Rotating Topic?**No

**Repeatable Credit?**No

**Amount of Credit**3

**S/U Only?**No

**Contact Type** Regularly Scheduled

**Weekly Contact Hours** 3

**Course Description** Human movement during performance of activities; the kinematics and the forces influencing movement; applying an understanding of human movement that is foundational for rehabilitation.

**Prerequisites** Anatomy and lab and physiology and lab; enrollment in the OTD Program

**Co-requisites** OTH 6xxx Clinical Musculoskeletal Anatomy

**Rationale and Placement in Curriculum** Content meets the intent of program Student Learning Objectives. Also meets educational standards of accrediting body (ACOTE standards). Provides a foundation for future courses and clinical experiences.

**Course Objectives** Student Learning Objectives: ACOTE standards

B.1.4 Demonstrate knowledge and understanding of the structure and function of the human body to include the biological and physical sciences. Course content must include, but is not limited to, biology, anatomy, physiology, neuroscience, and kinesiology or biomechanics.

B.2.6 Analyze the effects of physical and mental health, heritable diseases and predisposing genetic conditions, disability, disease processes, and traumatic injury to the individual within the cultural context of family and society on occupational performance.

1. Define and describe basic kinesiological concepts (e.g., planes/axes of movement, types of joint movements, levers, how muscles function, etc.)
2. Identify the major muscles of the body and explain their primary contributions to movement

3. Acquire basic knowledge of how a goniometer is utilized to measure joint angles
4. Define and describe basic concepts and terminology relating to posture, balance, lifting, reaching, grasping and walking.
5. Analyze an individual's performance of a given activity as evidenced by correctly:
  - a. describing the movement(s) occurring at joints throughout the body
  - b. describing the types of muscle contractions occurring during movement
  - c. identifying the muscular agonist(s), antagonist(s) and synergist(s) contributing to the movement
6. Analyze a given activity as evidenced by correctly:
  - a. identifying the movement(s) necessary to perform the activity
  - b. describing the types of muscle contractions necessary to perform the activity
  - c. identifying the muscular agonist(s), antagonist(s) and synergist(s) necessary to perform the activity
7. Compare and contrast "normal" human movement to "abnormal" movement caused by selected pathological conditions.

**Course Textbook(s) and/or Other Assigned Reading** Joseph E. Muscolino, Kinesiology: The Skeletal System and Muscle Function, 2nd Edition, 2011 ISBN: 978-0-323-06944-1

**Weekly Schedule of Topics** WEEK/DATE TOPIC

Week 1 Introduction to the class  
Relationship of movement to function and occupation  
Terminology for describing movement and basic kinesiology concepts

Week 2 Muscle mechanics, forces, torques & leverage; role in the assessment and intervention in OT clinical practice  
The above related to: posture, bending & lifting activities

Week 3 Applying concepts learned for normal movement analysis during the performance of functional activities

Week 4 Applying concepts learned for abnormal movement analysis in OT practice in a rehabilitation setting

\*Applied Clinical Experience #1\*

Week 5 EXAM 1

Week 6 Assessing the role Trunk and Shoulder movements during performance of activities of daily living

Week 7 Assessing the role Shoulder, Elbow and Forearm during performance of activities of daily living

Week 8 Assessing the role Wrist Complex and Hand: Arches, Joints, & Extrinsic during performance of activities of daily living

Week 9 SPRING BREAK

Week 10 \*Applied Clinical Experience #2\*  
Assessing the role Hand: Intrinsic & Thumb during performance of activities of daily living

Week 11 EXAM II

Week 12 Assessing the role Pelvis and Hip during performance of activities of daily living

Week 13 Assessing the role Standing Posture, Balance, and the Gait Cycle during performance of activities of daily living

Week 14 Assessing the role Knee, Ankle & Foot during performance of activities of daily living

Week 15 EXAM III

Week 16 Course Wrap

\*Applied Clinical Experience #3\*

**Links and Policies** Policy Related to Make up Exams or Other Work

Please note: Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from LSS when the problem was reported to them. The ticket

number will document the time and date of the problem. You MUST e-mail me within 24 hours of the technical difficulty if you wish to request a make-up.

Policies related to attendance:

Attendance to program and course activities is required. For a review of the OTD Attendance policies and documentation requirements see the OTD Student Handbook. Emergency issues will be handled on an individual basis.

All faculty are bound by the UF policy for excused absences. For information regarding the UF Attendance Policy see the Registrar website for additional details:  
<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx> .

Letter

Grade	A	A-	B+	B	B-	C+	C	C-	D+	D
	D-	E	WF	I	NG	S-U				
Grade										
Points	4.0	3.67	3.33	3.0	2.67	2.33	2.0	1.67	1.33	1.0
	0.67	0.0	0.0	0.0	0.0	0.0				

For greater detail on the meaning of letter grades and university policies related to them, see the Registrar's Grade Policy regulations  
at: <http://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

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## STUDENT EXPECTATIONS, ROLES, AND OPPORTUNITIES FOR INPUT

### Academic Integrity

Students are expected to act in accordance with the University of Florida policy on academic integrity. As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge:

"We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity."

You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied:

"On my honor, I have neither given nor received unauthorized aid in doing this assignment."

It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For additional information regarding Academic Integrity, please see Student Conduct and Honor Code or the Graduate Student Website for additional details:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>  
<http://gradschool.ufl.edu/students/introduction.html>

Please remember cheating, lying, misrepresentation, or plagiarism in any form is unacceptable and inexcusable behavior.

### Online Faculty Course Evaluation Process

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given

specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

### Inclusive Learning Environment

Public health and health professions are based on the belief in human dignity and on respect for the individual. As we share our personal beliefs inside or outside of the classroom, it is always with the understanding that we value and respect diversity of background, experience, and opinion, where every individual feels valued. We believe in, and promote, openness and tolerance of differences in ethnicity and culture, and we respect differing personal, spiritual, religious and political values. We further believe that celebrating such diversity enriches the quality of the educational experiences we provide our students and enhances our own personal and professional relationships. We embrace The University of Florida's Non-Discrimination Policy, which reads, "The University shall actively promote equal opportunity policies and practices conforming to laws against discrimination. The University is committed to non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, gender identity and expression, marital status, national origin, political opinions or affiliations, genetic information and veteran status as protected under the Vietnam Era Veterans' Readjustment Assistance Act." If you have questions or concerns about your rights and responsibilities for inclusive learning environment, please see your instructor or refer to the Office of Multicultural & Diversity Affairs website: [www.multicultural.ufl.edu](http://www.multicultural.ufl.edu)

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### SUPPORT SERVICES

**Accommodations for Students with Disabilities:** Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodations. Students with disabilities should follow this procedure as early as possible in the semester.

### Counseling and Student Health

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.

Students sometimes experience stress from academic expectations and/or personal and interpersonal issues that may interfere with their academic performance. If you find yourself facing issues that have the potential to or are already negatively affecting your coursework, you are encouraged to talk with an instructor and/or seek help through University resources available to you.

- The Counseling and Wellness Center 352-392-1575 offers a variety of support services such as psychological assessment and intervention and assistance for math and test anxiety. Visit their web site for more information: <http://www.counseling.ufl.edu>. On line and in person assistance is available.
- You Matter We Care website: <http://www.umatter.ufl.edu/>. If you are feeling overwhelmed or stressed, you can reach out for help through the You Matter We Care website, which is staffed by Dean of Students and Counseling Center personnel.
- The Student Health Care Center at Shands is a satellite clinic of the main Student Health Care Center located on Fletcher Drive on campus. Student Health at Shands offers a variety of clinical services. The clinic is located on the second floor of the Dental Tower

in the Health Science Center. For more information, contact the clinic at 392-0627 or check out the web site at: <https://shcc.ufl.edu/>

- Crisis intervention is always available 24/7 from:

Alachua County Crisis Center

(352) 264-6789

<http://www.alachuacounty.us/DEPTS/CSS/CRISISCENTER/Pages/CrisisCenter.aspx>

Do not wait until you reach a crisis to come in and talk with us. We have helped many students through stressful situations impacting their academic performance. You are not alone so do not be afraid to ask for assistance.

**Grading Scheme** Applied Experience #1: 75 points (approx.13.5% of total grade)

Exam #1: 120 points (21.5% of total grade)

Applied Experience #2: 75 points (approx.13.5% of total grade)

Exam #2: 120 points (21.5 % of total grade)

Exam #3: 160 points (30% of total grade)

Total points = 100

For greater detail on the meaning of letter grades and university policies related to them, see the Registrar's Grade Policy regulations at:

<http://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

**Instructor(s)** Paul Arthur, PhD, OTR/L