

Kinesiology/Biomechanics

HSS 409 & HSS 537, Fall 2012

Course Information

Class Days/Time:	10:00 am – 10:50 am MWF
Classroom:	Frericks Center 10 F
Pre/Co-Requisites:	HSS 305 Human Anatomy
Instructor:	Nathanael R Seymour MA ATC LAT CSCS
Office Location:	Cronin Athletic Center Athletic Training Room
Telephone Number:	(937) 229-4437
Email Address:	nseymour1@udayton.edu
Office Hours:	By appointment

Course Web Page

All course materials such as the syllabus, major assignments, and handouts can be found on the course web site located on Isidore. If you have any problems accessing the site, please contact me immediately.

Course Description

Investigation and analysis of human motion based upon anatomical, physiological, and mechanical principles.

Overall Course Goals or Student Learning Objectives

The students will be able to analyze motions of the human body. This analysis will be categorized by plane of motion, biomechanics, and force generation.

The students will be able to identify specific parts of human anatomy and describe their function when motion occurs in the human body.

The students will be able to recognize and describe the origins, insertions, and actions of muscular groupings in specific joints of the body.

Required Texts/Readings/Equipment

Textbook

Floyd, R.T., *Manual of Structural Kinesiology* (18th Ed). New York McGraw-Hill: 2012. ISBN 978-0-07-802251-7. (Required)

Technology Requirements for this Course

This course requires the use of a notebook computer that complies with the hardware specifications that were communicated to you by the Admissions Office. This course will require your use of the software applications in Microsoft Office 2007. It is your responsibility to ensure you have a working computer with the required software installed and functional for this course. Details regarding your technical support options have been communicated to you by UDiT. Training resources for using UD software can be found at <http://training.udayton.edu>.)

Assignments and Grading Policy

The course will consist of 5 examinations that will make up 55% of your overall grade. There will be a cumulative final that will make up the final 35% of your total grade. Attendance and participation in class will make up 10% of the students grade and will be used in determining if a borderline grade is moved up or down. All absences require a doctor's note to be excused unless prior arrangements are made with the instructor. Students with excused absences will still be required to make up any missed assignments and/or examinations. If there are questions or concerns regarding examinations and their grading they must be resolved with the instructor within one week of the return date of the grade in question. After one week the grades will stand and no further discussion will be permitted.

Those students taking the HSS 537 course will be required to teach a portion of the class. This will be 20% of your final grade with the exams being 50% and the final 30%.

Below is a tentative exam schedule. It is subject to change. Class beginning date is 8/22/2012 and it ending date is 12/14/2012.

Exam	% of Final Grade	Date
1 Chapter 1	10	09/07/2012
2 Chapter 2&3	10	09/28/2012
3 Chapter 4&5	10	10/19/2012
4 Chapter 6,7&8	15	11/09/2012
5 Chapter 9&10	10	11/30/2012
Final Exam	35	12/14/2012 12:20-2:10 P.M.

Please note that the Final Exam for HSS 409 & HSS 537 is scheduled for Monday, December 14, 2012 from 12:20 P.M. – 2:10 P.M. PLEASE do not ask to take the final exam early; your request will be denied.

Any questions regarding the University of Dayton's final exam policy please see the university's [Final Exam Policy](https://registrar.udayton.edu/otherkeylinks_finalexaminationpolicy.asp)
<https://registrar.udayton.edu/otherkeylinks_finalexaminationpolicy.asp>.

Grading Scales

Undergraduate		Graduate
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Grade		Points		Grade		Points
A	Excellent	93-100		A	Excellent	93-100
A-		90-92		A-		90-92
B+		87-89		B+		87-89
B	Good	83-86		B	Good	83-86
B-		80-82		B-		80-82
C+		77-79		C	Fair	70-79
C	Fair	73-76		F	Failing	69 or less
C-		70-72				
D	Poor/Passing	60-69				
F	Failing	59 or less				

Classroom Protocol

All electronic devices including cell phones must be turned off and are not to be visible at any time during class unless specifically directed by the instructor.

Notebook computers may be used in class for taking notes and specified in-class activities, not for instant messaging, email or other distractions.

All email messages will be sent to you via your Lotus Notes Account, so you should be in the habit of checking that account every day or you should ensure that Lotus Notes forwards messages to another account of your choice. To verify your email address, visit <http://address.udayton.edu>.

Course materials such as power point slides, answers for end of chapter questions, and post exam answers will be made available on Isidore.

In addition, as a student in this class, you are expected to:

- Take ownership and responsibility for the conduct of the class.
- Always treat class members with respect.
- Be considerate and limit materials or actions that others might find distracting, such as conversations, work from other classes, newspapers, video games, etc.

- Be prepared to contribute to group and class discussions in a courteous, substantive, and thoughtful manner.
- Bring necessary materials to every class.

University Policies

Intellectual Property Statement

The materials shared with you during this course are authored by and owned by the instructor, the department, the school and/or the book publisher. Copyright laws must be respected in using these materials. For example, unless authorized to do so, do not share course materials with anyone outside the course.

Academic Honesty

I encourage you to talk with each other about the readings and ideas brought up in class. But in all assignments to be graded as individual work you are expected to do your own written work. In the case of group work, all members of a group will be held responsible for the content of work turned in to satisfy group assignments. The instructor will keep a healthy eye out for possible plagiarism when reading your work. Here is some advice to help you avoid plagiarizing:

It is best to express the ideas you use in your own words. In the case of both individual and group work, words or ideas that come from someplace or someone else must be cited: “A good rule of thumb is this: Whenever you consciously borrow any important element from someone else, any sentence, any colorful phrase or original term, any plan or idea—say so, either in a footnote, bibliography, or parenthesis” (from “Academic Honesty in the Writing of Essays and Other Papers,” Carleton College, 1990).

For specific university policies concerning academic honesty, see the University’s [Academic Honor Code](http://bulletin.udayton.edu/content.ud?v=29&p=3286&c=3313) in the Bulletin <<http://bulletin.udayton.edu/content.ud?v=29&p=3286&c=3313>>.

Dropping the Course

You are responsible for understanding the university’s policies and procedures regarding withdrawing from courses. And you should be aware of the current deadlines and penalties for dropping classes. Information on [withdrawal from courses](http://bulletin.udayton.edu/content.ud?v=29&c=3312&p=3286) (<http://bulletin.udayton.edu/content.ud?v=29&c=3312&p=3286>) is available in the Bulletin under Grades and Scholarship and from your Dean’s Office.

University Services (free for all students)

Support for Your Learning in This Course

The LTC’s Office of Student Learning Services (SLS) is a learning resource for all students at the University of Dayton. SLS offers a wide variety of services to assist you in achieving academic success at the University, including study skills classes and workshops, tutoring and consultations, disability screenings, and a web site with many resources (<http://learningservices.udayton.edu>). Please contact SLS at 937-229-2066 or visit their office on the ground floor of Roesch Library (LTC 023) if you would like to talk about how you could become a more effective learner.

Students with Disabilities

Your learning in this course is important to me. I invite you to come talk with me about ways to ensure your full participation in the course. If you feel you need an accommodation based on the impact of a disability, please contact me privately to discuss your Self-Identification Form as provided by the LTC's Office of Student Learning Services (SLS). To request academic accommodations due to a disability, please contact the Office for Students with Disabilities, 002 Albert Emanuel Hall, (937) 229-3684. It is important that you be registered with SLS and notify me of your eligibility for reasonable accommodations in a timely manner, and, when appropriate, that we make special arrangements in case of an emergency building evacuation. For more information about disability services at the University of Dayton, please contact SLS at 937-229-2066, by email at disabilityservices@udayton.edu or stop by SLS in the LTC, room 023.

Writing Support for This Course

The Write Place offers peer-to-peer writing support on any writing assignment and at any stage of the writing process. You can drop-in to the Write Place without making an appointment. The Write Place is located in Roesch Library. Contact the Write Place Coordinator at 937-229-2068 if you have any questions. You can also visit the Office of Writing, Research, and New Media's website at <http://learningservices.udayton.edu/writeplace/>.

Fall 2012 Academic Calendar

August							September						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4							1
5	6	7	8	9	10	11	2	3	4	5	6	7	8
12	13	14	15	16	17	18	9	10	11	12	13	14	15
19	20	21	22	23	24	25	16	17	18	19	20	21	22
26	27	28	29	30	31		23	24	25	26	27	28	29
							30						
October							November						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6					1	2	3
7	8	9	10	11	12	13	4	5	6	7	8	9	10
14	15	16	17	18	19	20	11	12	13	14	15	16	17
21	22	23	24	25	26	27	18	19	20	21	22	23	24
28	29	30	31				25	26	27	28	29	30	
December							<p>8/22 = Classes Begin</p> <p>9/3 – Labor Day</p> <p>10/4-5 – Mid-term Break</p> <p>11/21-23 – Thanksgiving Break</p> <p>12/6 – Last Day of Classes</p> <p>12/7 – Feast of Immaculate Conception/Christmas on Campus</p> <p>12/10-14 – Finals</p>						
S	M	T	W	T	F	S							
						1							
2	3	4	5	6	7	8							
9	10	11	12	13	14	15							
16	17	18	19	20	21	22							
23	24	25	26	27	28	29							
30	31												

Week

 = no classes