

HH/AS/SC KINE 4460 3.0
OCCUPATIONAL BIOMECHANICS
Fall 2015

Instructor: Dr. Anne Moore
2024 Sherman Health Science Research Centre

Office Hours: As posted on Moodle or By appointment

Email: *Use Moodle for all email communications*

TA: Jackie Cramp

Lectures: Tuesday /Thursday 10:00-11:30 CC 108

Laboratory: Tuesday (alternate) 11:30-12:30 Stong 101A

COURSE OBJECTIVES: This course examines topics in occupational biomechanics and applied ergonomics. This course will lay the groundwork necessary to become a consulting occupational biomechanist. Upon completion of this course, the student will have developed:

- An appreciation of the role of biomechanics in occupational health and safety issues.
- The knowledge to identify specific tissues at risk
- Qualitative and quantitative skills to assess the risk of injury associated with workplace layout, tasks, and tools.
- The ability to redesign operations to reduce the risk of injury.

PREREQUISITES: KINE 3030

LECTURE NOTES and READINGS: Lecture material and Required Readings will be available on Moodle

GRADING

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| 1. Laboratory Reports: 4 due (2 x 5%, 2 x 10%) | =30% |
| 2. Midterm Test (<i>in class, Thursday October 22, 2015</i>) | = 20% |
| 3. Ergonomic Assessment report (<i>due in class, Tuesday Dec. 1, 2015</i>) | = 15% |
| 4. Final Examination (during final exam session) | = 35% |

Grading Notes:

1. Labs/Assignments are due in scheduled lecture times - no exceptions. Late material will be penalized 10% per day late. Exceptions to the lateness penalty for valid reasons such as illness, compassionate grounds, etc., may be entertained by the Course Instructor but will require supporting documentation (e.g., a doctor's letter).
2. Numerical scores will be assigned for each piece of course work. However, there should be no assumption that a certain total course mark corresponds to a specific letter grade. Letter grades will be assigned based on the descriptions found in the York University Undergraduate Calendar.
3. If the mid-term exam is missed, with medical documentation and course director approval, the percentage allocated to the missed exam will be added to the final exam. There will be no make-up mid-term exam in this course.
4. The grade re-evaluation policy is noted on page 3 of this course outline

IMPORTANT COURSE INFORMATION FOR STUDENTS

RE-EVALUATION POLICY

During the term:

Any appeal for grade revision must be (a) received by the course instructor within 7 days of the return of the work to the class or the item's mark posted, and (b) be accompanied by the "Evaluation item remark request" form, which can be found on the course website. Note that any resubmitted material will be re-graded in its entirety. An appealed grade may increase, decrease, or remain unchanged. Note: Returned material may be copied before returning.

Re-appraisal of a final grade:

Any requests for re-appraisal of a final mark must be received by the course instructors within 7 days of the final grade posting, along with the "Evaluation item remark request" form, which can be found on the course website. Please note that your mark may be *raised, lowered, or confirmed*. If the result is still unsatisfactory, requests for a reappraisal of the final grade for a completed course are the responsibility of the Undergraduate Director. You must submit in writing a formal request for a **final grade reappraisal** to the KINE undergraduate Office. The 'Reappraisal of Final Grades' form can be picked up at the KINE Undergraduate Office.

For further details: www.registrar.yorku.ca/policies/grade.htm

IMPORTANT GENERAL COURSE INFORMATION FOR STUDENTS

Academic Honesty and Integrity

York students are required to maintain high standards of academic integrity and are subject to the Senate Policy on Academic Honesty (<http://www.yorku.ca/secretariat/legislation/senate/acadhone.htm>).

There is also an academic integrity website with complete information about academic honesty. Students are expected to review the materials on the Academic Integrity website (<http://www.yorku.ca/academicintegrity>).

Access/Disability

York provides services for students with disabilities (including physical, medical, learning and psychiatric disabilities) needing accommodation related to teaching and evaluation methods/materials.

It is the student's responsibility to register with disability services as early as possible to ensure that appropriate academic accommodation can be provided with advance notice. You are encouraged to schedule a time early in the term to meet with each professor to discuss your accommodation needs. Failure to make these arrangements may jeopardize your opportunity to receive academic accommodations.

Additional information is available at www.yorku.ca/disabilityservices or from disability service providers:

- **Office for Persons with Disabilities:** N108 Ross, 416-736-5140, www.yorku.ca/opd
- **Learning and Psychiatric Disabilities Programs - Counselling & Development Centre:** 130 BSB, 416-736-5297, www.yorku.ca/cdc
- **Atkinson students - Atkinson Counselling & Supervision Centre:** 114 Atkinson, 416-736- 5225, www.yorku.ca/atkcsc
- **Glendon students - Glendon Counselling & Career Centre:** Glendon Hall 111, 416-487- 6709, www.glendon.yorku.ca/counselling

Religious Observance Accommodation

York University is committed to respecting the religious beliefs and practices of all members of the community, and making accommodations for observances of special significance to adherents. Should any of the dates specified in this syllabus for an in-class test or examination pose such a conflict for you, contact the Course Director within the first three weeks of class. Similarly, should an assignment to be completed in a lab, practicum placement, workshop, etc., scheduled later in the term pose such a conflict, contact the Course director immediately.

Please note that to arrange an alternative date or time for an examination scheduled in the formal examination periods (December and April/May), students must complete an Examination Accommodation Form, which can be obtained from Student Client Services, Student Services Centre or online at http://www.registrar.yorku.ca/pdf/exam_accommodation.pdf

Student Conduct

Students and instructors are expected to maintain a professional relationship characterized by courtesy and mutual respect and to refrain from actions disruptive to such a relationship. Moreover, it is the responsibility of the instructor to maintain an appropriate academic atmosphere in the classroom, and the responsibility of the student to cooperate in that endeavour. Further, the instructor is the best person to decide, in the first instance, whether such an atmosphere is present in the class. A statement of the policy and procedures involving disruptive and/or harassing behaviour by students in academic situations is available on the York website <http://www.yorku.ca/secretariat/legislation/senate/harass.htm>

Please note that this information is subject to periodic update. For the most current information, please go to the CCAS webpage (see Reports, Initiatives, Documents):

http://www.yorku.ca/secretariat/senate_cte_main_pages/ccas.htm.