COURSE OUTLINE

You will find in this document important information about:
- The course description,
- The course instructors and how to contact them,
- The course format including:
  * Lecture format
  * Material and resources (slides, Moodle, audio-recording, textbook...)
  * Tutorial programs
  * Evaluation format
- A "Frequently Asked Questions" section.
- A calendar summarizing important administrative and test dates

COURSE DESCRIPTION

The focus of this course is on basic principles of physiology from the sub-cellular to cellular components including their functions and their mechanisms of function. KINE 2011 provides students with a sound basis for understanding the cellular basis of human physiology. KINE 2011 provides the background necessary for understanding the complexity of human health and disease covered in subsequent courses. KINE 2011 covers the following subject matter in depth: Cell physiology, plasma membrane potentials, muscle physiology, neuronal pathways, blood and its components.

Prerequisite / Co-requisite
Honours Standing must be met.

Term: Fall 2017

Course Web Page: Moodle is used to transmit important information including the dates and the results of exams. Slides are posted as PDF files on Moodle.
Additional details of course content

Human Physiology KINE 2011 is divided into 4 modules:

**Module #1 - Cell physiology** includes basic cell structure, cell organelles, basic metabolism, cytoskeleton elements, cell adhesion, membrane transport systems. This module is taught by Dr. Abdul-Sater.

**Module #2 - Intercellular communication - Focus on neural communication, and Peripheral nervous system - Focus on the somatic system**. The nervous system and neuromuscular junction includes equilibrium potentials, graded potentials, action potentials, electrical conduction, neurotransmitters, neuromodulators, neuropeptides, chemical and electrical synapses, inhibitory and excitatory synapses, synaptic integration, presynaptic inhibition and facilitation, nervous system organization, autonomic nervous system, parasympathetic and sympathetic neural pathways, somatic neural pathway, adrenal medulla, adrenergic receptors and neuromuscular junction structure and function. This module is taught by Dr. Birot.

**Module #3 - Muscle physiology** includes muscle structure, excitation-contraction coupling, sarcomere structure, sliding filament mechanisms. This module is taught by Dr. Birot.

**Module #4 - Blood and Immunology** includes blood component structure and function, overview of the immune system organization and function. This module is taught by Dr. Abdul-Sater.

**Course Learning Objectives**

1) **Brief statement of the purpose**: To understand how the human body works.

2) **Brief list of specific learning objectives of the course**:

Graduates will demonstrate an understanding of the research on the human body influencing human health and performance. The students will be able to transfer the knowledge gained to other Health Science areas, and to communicate their knowledge orally and in writing with both professionals or lay people. The skills acquired include the ability to apply high school arithmetic to understand human physiology concepts and the ability to read and understand complex concepts in the working of the human body. As this is a large format lecture class (average is 450 per section) and as it covers many concepts in the working of the human body, the student will become used at reading ahead, time management, and self-study. This knowledge and study methods will transfer to any course at University and in life.

Specifically, the students will be able to use their knowledge and skills to advocate for the fundamentals of human health, from general to specific situations. They will use appropriate academic terminology and notation when preparing and presenting information. They will understand and appreciate the dynamic and uncertain nature of information in the discipline and will develop strategies to maintain or enhance their knowledge in the KAHS field.
Course Director: Dr. Olivier BIROT  
Instructors: Dr. Olivier BIROT and Dr. Ali ABDUL-SATER  
Contact: Office Hours: By appointment only  
Do NOT email professors directly.  
Email kine2011@yorku.ca  
Indicate last name, first name, student number, and your section (A or B).  
Message not respecting this format will not be replied.

COURSE FORMAT

Lectures:
There are three lecture hours a week; there are no required laboratories. It is expected that each student will review the material to be presented in the class before the class.

MWF 8:30-9:30am for Section A in LAS A  
MWF 9:30-10:30am for Section B in LAS A

Note: You must attend the section you are registered in (A or B). If fire code violations occur (too many students in the room, students in the aisles, and such) class will be cancelled and you will be responsible for covering that day’s course material on your own.

Material and Resources:
- Audio-recording of lectures is available on Moodle.
- No video-capture (this is not an online/blended course).
- Slides are posted as PDF files on Moodle.

Note: the tested material represents all information provided by professors in class including additional slides, information displayed on the chalkboard, verbal information.

Tutorials:
Tutorial hour sessions are optional but highly recommended. The students bring questions or concepts about which they need more information, and the TA’s work to clarify the concepts for the students.
In-person TA sessions on Mondays 11am-1pm and Wednesdays 2-4pm, Chemistry Building 125. Online TA support also available (Email + Chat session on Wed. 2-4pm).

Note: PASS and KHASSO programs are NOT under professors' supervision and responsibility. Any outdated material or outdated evaluation format from PASS/KAHSSO is NOT under the professors' supervision and responsibility.
**EVALUATION**

All evaluations are **multiple-choice exams**. There are **4 online Quizzes**, **1 in-class midterm evaluation**, and **1 final examination**. 

All tests are **mandatory**.

<table>
<thead>
<tr>
<th>QUIZZES (40% TOTAL GRADE)</th>
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<tbody>
<tr>
<td>Each module is partially evaluated through an <strong>online QUIZ on Moodle</strong>.</td>
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<tr>
<td>- Each Quiz will be open online for one week.</td>
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<td>- Only one attempt will be allowed.</td>
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<tr>
<td>- Duration: 20 minutes.</td>
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<td>- Format: 15 Multiple Choice questions.</td>
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<td>- Grades: Automatically reported into your Grade book on Moodle.</td>
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<td>- Exam viewing: No.</td>
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**Quiz 1 (10% FINAL GRADE)**
Covers Module 1, Lectures 1 to 6. 
Test will be open between Friday SEPT 22 at noon until Friday SEPT 29 at noon.

**Quiz 2 (10% FINAL GRADE)**
Covers Module 2, Lectures 1 to 6. 
Test will be open between Wednesday OCT 18 at noon until Wednesday OCT 25 at noon.

**Quiz 3 (10% FINAL GRADE)**
Covers Module 3, Lectures 1 to 5. 
Test will be open between Monday NOV 13 at noon until Monday NOV 20 at noon.

**Quiz 4 (10% FINAL GRADE)**
Covers Module 4, Lectures 1 to 6. 
Test will be open between Wednesday NOV 29 at noon until Wednesday DEC 06 at noon.

**It is the student's responsibility to do the quiz (20 minutes) during the week when it is open online.**

<table>
<thead>
<tr>
<th>IN-CLASS MIDTERM AND FINAL EVALUATIONS -</th>
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<tbody>
<tr>
<td><strong>(1) IN-CLASS MIDTERM EVALUATION (25% FINAL GRADE)</strong></td>
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<tr>
<td>30 Multiple Choice questions, 15 from Module 1 (Lectures 1-10) and 15 from Module 2 (Lectures 1-10).</td>
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<td>35 minutes.</td>
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<td>Scheduled on <strong>FRIDAY NOV. 03</strong> - Regular lecture time.</td>
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**FINAL EVALUATION (35% FINAL GRADE)**
Cumulative of all four Modules. 
100 Multiple Choice questions - 20 from Module 1, 20 from Module 2, 30 from Module 3, 30 from Module 4.
150 minutes. 
Scheduled in the final examination period (DEC.06-21).
IMPORTANT INFORMATION REGARDING IN-CLASS MIDTERM AND FINAL EVALUATIONS -
You are required to bring a good pencil, good eraser, and a valid ID (YorkU card, driving licence) to the exam.
(1) You must “bubble” in your student ID correctly in the Scantron.
(2) Both in-class midterm evaluation and final evaluation are based on a scantron and a booklet of questions. You must clearly indicate on BOTH documents your LASTNAME, FIRSTNAME, STUDENT NUMBER AND SECTION (A or B).

Not filling fully and properly these documents as described above in (1) and (2) will result in 5% penalty on the test.

You must give back BOTH documents (not only the scantron). Keeping the booklet results in 0% at the test.

FREQUENTLY ASKED QUESTIONS - READ!!!

1. TEXTBOOK - Can I use any other textbook? Can I use an older edition?
=> Yes you can at your own responsibility. Our lectures are based on the textbook referenced in the course outline.

2. IN-CLASS EVALUATION - I am registered in one section (Section A at 8:30am for example). Can I show up to write my evaluation with the next section (B at 9:30am)?
=> No. We do not use "attendance signing sheet". Instead we use a printout of the class list indicating student sections and exam rooms. So if you show up at the wrong time (for example at 9:30am instead of 8:30am) or at the wrong location (there will be two exam rooms), then your name will NOT be on the attendance sheet. In addition, too many people showing up at the wrong time and/or location could lead to a shortage in the number of seats and tests available. 5% PENALTY.

3. IN-CLASS EVALUATION - I don't have any ID. What will happen?
=> You will be asked to write down your last name and first name, and you will be asked if you accept to be photographed. You will have to bring your student ID to the professor at the next class, he will verify your ID. After verification, the photograph will be deleted.
=> We respect your privacy and it is your right not to be photographed. In that case, you will be asked to leave the room and will receive 0% at the test. It is your responsibility to be on time at the correct location with your ID. There is no deferral.

4. IN-CLASS EVALUATION - I kept my exam booklet with me, and only gave back my scantron. What's next?
=> Read above description in the Evaluation format section.
5. IN-CLASS EVALUATION - I have missed the MIDTERM evaluation. What's next?

=> The in-class MIDTERM evaluation is scheduled on FRIDAY NOVEMBER 03. If you miss the test, you have one week to submit your documentation (FRIDAY NOVEMBER 10 at NOON, no extension) to the KINE office (Bethune 341). Do not send it to the course director directly, do not bring it to class, no email submission (only paper).  

Note that for medical situations, only the YorkU Attending Physician Statement is accepted. Any other doctor note is NOT valid.

http://myacademicrecord.students.yorku.ca/deferred-standing

=> If approved, you will be granted the opportunity to write a DEFERRED MIDTERM evaluation scheduled on FRIDAY NOVEMBER 17 at your regular lecture time. Note that it will be your responsibility to catch up for the material covered in class on that day.

6. IN-CLASS EVALUATION - I have missed the MIDTERM evaluation and got granted to write the DEFERRED evaluation but I have also missed this test. What's next?

=> There is no deferred-deferred exam. Getting granted the opportunity to write the DEFERRED evaluation was already an accommodation. In that case, you will get 0% to the test.

7. IN-CLASS EVALUATION - I have missed the FINAL evaluation. What's next?

=> Very similar to the MIDTERM evaluation, you will have ONE WEEK to submit your documentation to the KINE office the paper version of your documentation (for example and attending physician statement) AS WELL AS a request of DEFERRED STANDING AGREEMENT.

REFER TO: http://myacademicrecord.students.yorku.ca/deferred-standing

7. BAD WEATHER AND RELIGIOUS ACCOMMODATION

=> Missing an evaluation due to weather will be excused ONLY if the University closes/cancels classes. In all other cases, it is YOUR responsibility to get to class on time. Transit and/or traffic issues are never an excuse to miss exams. Plan to be at exams early (University policy).

=> Religious accommodations must be arranged at least 3 weeks prior to the midterm or exam period (University policy).

8. QUIZZES

=> Quizzes are open online for one week and only takes 20 minutes each. There is no accommodation granted for not doing a Quiz on time.
<table>
<thead>
<tr>
<th>MONDAY</th>
<th>WEDNESDAY</th>
<th>FRIDAY</th>
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<tbody>
<tr>
<td></td>
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<td>SEPT 08 COURSE PRESENTATION</td>
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<tr>
<td>SEPT 11 Module 1 - Lecture 1 Dr. Abdul-Sater</td>
<td>SEPT 13 Module 1 - Lecture 2 Dr. Abdul-Sater</td>
<td>SEPT 15 Module 1 - Lecture 3 Dr. Abdul-Sater</td>
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<td>SEPT 18 Module 1 - Lecture 4 Dr. Abdul-Sater</td>
<td>SEPT 20 Module 1 - Lecture 5 Dr. Abdul-Sater Last day to enrol without permission</td>
<td>SEPT 22 Module 1 - Lecture 6 Dr. Abdul-Sater</td>
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<td>SEPT 25 Module 1 - Lecture 7 Dr. Abdul-Sater</td>
<td>SEPT 27 Module 1 - Lecture 8 Dr. Abdul-Sater</td>
<td>SEPT 29 Module 1 - Lecture 9 Dr. Abdul-Sater</td>
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<td>OCT 02 Module 1 - Lecture 10 Dr. Abdul-Sater</td>
<td>OCT 04 Module 2 - Lecture 1 Dr. Birot</td>
<td>OCT 06 Module 2 - Lecture 2 Dr. Birot</td>
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<td>OCT 09 THANKSGIVING University closed</td>
<td>OCT 11 Module 2 - Lecture 3 Dr. Birot</td>
<td>OCT 13 Module 2 - Lecture 4 Dr. Birot</td>
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<td>OCT 16 Module 2 - Lecture 5 Dr. Birot</td>
<td>OCT 18 Module 2 - Lecture 6 Dr. Birot</td>
<td>OCT 20 Module 2 - Lecture 7 Dr. Birot</td>
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<td>OCT 23 Module 2 - Lecture 8 Dr. Birot</td>
<td>OCT 25 Module 2 - Lecture 9 Dr. Birot</td>
<td>OCT 27 FALL STUDY DAYS No class</td>
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<tr>
<td>OCT 30 Module 2 - Lecture 10 Dr. Birot</td>
<td>NOV 01 Module 3 - Lecture 1 Dr. Birot</td>
<td>NOV 03 IN CLASS MIDTERM EVALUATION (25%)</td>
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<td>NOV 06 Module 3 - Lecture 2 Dr. Birot</td>
<td>NOV 08 Module 3 - Lecture 3 Dr. Birot</td>
<td>NOV 10 Module 3 - Lecture 4 Dr. Birot Drop Deadline &amp; Deadline to submit doc to KINE office regarding Midterm</td>
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<tr>
<td>NOV 08 Module 3 - Lecture 4 Dr. Birot</td>
<td>NOV 10 Module 3 - Lecture 5 Dr. Birot</td>
<td>MIDTERM EVALUATION (25%) CUMULATIVE OF MODULES 1 and 2</td>
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Students will have received at least 20% of the Final grade before the drop deadline (Min. should be 15%)
<table>
<thead>
<tr>
<th>Date</th>
<th>Module 3 - Lectures</th>
<th>Date</th>
<th>Module 4 - Lectures</th>
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<tbody>
<tr>
<td>NOV 13</td>
<td>Module 3 - Lecture 5</td>
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<td>Module 3 - Lecture 6</td>
<td>NOV 17</td>
<td>Module 3 - Lecture 7</td>
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<td><strong>DEFERRED MIDTERM</strong></td>
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<td>NOV 20</td>
<td>Module 4 - Lecture 1</td>
<td>NOV 22</td>
<td>Module 4 - Lecture 2</td>
<td>NOV 24</td>
<td>Module 4 - Lecture 3</td>
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<td>NOV 27</td>
<td>Module 4 - Lecture 4</td>
<td>NOV 29</td>
<td>Module 4 - Lecture 5</td>
<td>DEC 01</td>
<td>Module 4 - Lecture 6</td>
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<td>Dr. Abdul-Sater</td>
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<td>DEC 04</td>
<td>Module 4 - Lecture 7</td>
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<td>Dr. Abdul-Sater</td>
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**QUIZ 3 (10%)**
Module 3 - Lectures 1-5
OPEN from Mon. NOV. 13 noon until Mon. NOV. 20 noon

**QUIZ 4 (10%)**
Module 4 - Lectures 1-5
OPEN from Wed. NOV. 29 noon until Wed. DEC. 06 noon

Each Quiz has 15 questions. The test is open via Moodle for one week. Only 20 minutes and one attempt.

**MIDTERM EVALUATION (25%)**
CUMULATIVE OF BOTH MODULES 1 AND 2
In-class, during regular lecture time. Scheduled on FRIDAY NOV. 03.
Deadline to submit documentation if missing test: FRIDAY NOV. 10 at NOON (no extension). If a approved, the DEFERRED Midterm evaluation will take place on FRIDAY NOV. 17 during normal lecture time. See course outline for more details.

**FINAL EVALUATION (35%)**
CUMULATIVE OF ALL MODULES
Scheduled in the Final examination period (DEC 06-21).
**Accommodations**


“York University shall make reasonable and appropriate accommodations and adaptations in order to promote the ability of students with disabilities to fulfill the academic requirements of their programs”

Students who feel that there are extenuating circumstances that may interfere with the successful completion of their exams or other course requirements are encouraged to discuss their concerns with Dr. Da Sylva as soon as possible. Students with learning, mental health, physical, sensory and medical disabilities who require accommodations in teaching style or evaluation methods should discuss the matter with Counselling and Disability Services (CDS - N110 Bennett Centre; [http://www.yorku.ca/cds/](http://www.yorku.ca/cds/)) and the Course Director (Dr. Da Sylva) early in the term so that appropriate arrangements can be made. Please note: you are not required to disclose the nature of your condition. If you are registered with CDS, Dr. Da Sylva will work with CDS to ensure all reasonable accommodations are met.

**Academic Honesty**


Note: If students gain unpermitted access to, use, facilitate access to, distribute or make any attempt to attain previous midterms and exams this constitutes a breach of academic honesty and will be taken seriously. No previous midterms or exams have been officially released.

ANY suspected violations of academic honesty will be taken seriously and immediately referred to the Dean’s Office.

**Additional Information**

Audio recording (ONLY audio) of the lecture is permitted. Recordings CANNOT be uploaded to public websites or otherwise shared publicly. Students in violation of these policies may have legal action taken against them.

**IMPORTANT COURSE INFORMATION FOR STUDENTS**

All students are expected to familiarize themselves with the following information, available on the Senate Committee on Curriculum & Academic Standards webpage (see Reports, Initiatives, Documents) - [http://www.yorku.ca/univsec/senate/committees/ascp/documents/CourseInformationForStudentsAugust2012.pdf](http://www.yorku.ca/univsec/senate/committees/ascp/documents/CourseInformationForStudentsAugust2012.pdf)

York’s Academic Honesty Policy and Procedures/Academic Integrity Website
Educational Review Process for research involving human participants
Course requirement accommodation for students with disabilities, including physical, medical, systemic, learning and psychiatric disabilities
Student Conduct Standards
Religious Observance Accommodation

It is your responsibility to familiarize yourself with all York Senate Policies.
Course Communication Policies

Moodle will be used to communicate urgent or otherwise important information to the class. You should check Moodle often.

Email: the course email address is kine2011@yorku.ca; your professor/TAs will regularly check this email address when the course is running.

Email must include your full name and student number and should include a descriptive subject line. Emails that do not conform to this standard may not be answered.

Email is NOT a substitute for office hour or tutorial attendance.

Expect an average response time of 48-72 hours. Email will not routinely be replied to on weekends or holidays.

Please do not email the instructor/TAs asking for your grades – they will be posted to Moodle as soon as possible. Emails asking for your grade will be ignored.

Please do not email the instructor asking for grade ‘bumping’ or ‘curving’. It is unethical to individually alter a student’s grade. All such emails will be ignored.

Please do read your syllabus before emailing; many common questions on course policies/administration can be answered by reading the syllabus.

Please do treat email as a professional communication; rude emails may not be answered. Harassment is unacceptable and violates numerous student codes of conduct. All instances of harassment will be reported.