

# BIOMEDDC 2C03 Course Outline

## 1. COURSE INFORMATION

<b>Session Offered</b>	Winter 2019	
<b>Course Name</b>	Exploring Careers in Biomedical Sciences	
<b>Course Code</b>	BIOMEDDC 2C03	
<b>Calendar Description</b>	An inquiry-based course that will explore careers related to biochemistry and biomedical sciences, coupled with an exploration of the science behind each career. The course will include examination of the primary literature as it relates to each topic, culminating in a final presentation.	
<b>Instructor</b>	Michelle MacDonald	Email: macdonml@mcmaster.ca Phone: 905-525-9140 Ext. 22316 Office: HSC 4H45 Office Hours: Drop in or by appointment
<b>Teaching Assistant</b>	Sepehr Manochchery	Email: manocs@mcmaster.ca Office Hours: By appointment

## 2. COURSE SPECIFICS

<b>Course Description</b>	The purpose of this course is to expose students to a variety of careers related to biochemistry and biomedical sciences – linking content knowledge and skills with real life applications and careers.		
<b>Instruction Type</b>	<b>Code</b>	<b>Type</b>	<b>Hours per term</b>
	C	Classroom instruction	26
	<b>Total Hours</b>		<b>26</b>
<b>Resources</b>	<b>ISBN</b>	<b>Book Title (optional)</b>	<b>Author &amp; Publisher</b>
	978-1-101-87532-2	Designing Your Life	Burnett & Evans (Knopf)
	<b>Other Supplies</b>	<b>Source</b>	
	Course Resources	Available online (Avenue)	
	<a href="https://lifeaftermcmaster.com/">https://lifeaftermcmaster.com/</a>	<a href="https://dailynews.mcmaster.ca/articles/this-month-with-the-president-preparing-for-the-future/">https://dailynews.mcmaster.ca/articles/this-month-with-the-president-preparing-for-the-future/</a>	
<b>Prerequisite(s)</b>	Open		
<b>Antirequisite(s)</b>	None		
<b>Course Specific Policies</b>	It is expected that students complete weekly homework and assignments in preparation for class discussion and presentations. Students are expected to attend and actively participate during class sessions offering insight, comment, reinforcement, and examples.		
<b>Departmental Policies</b>	Announcements made in class or placed on Avenue are considered to have been communicated to all students including those individuals that are not in class.		
<b>3. SUB TOPIC(S)</b>			
Week 1 January 8	<ul style="list-style-type: none"> <li>• <b>Course Introduction</b></li> <li>• <b>Workshop</b></li> </ul>		
Week 2 January 15	<ul style="list-style-type: none"> <li>• <b>Unit 1 Introduction</b></li> </ul>		Pre-reflection due January 15 before class

Week 3 January 22	<ul style="list-style-type: none"> <li>• <b>Unit 1 Workshop</b></li> </ul>	
Week 4 January 29	<ul style="list-style-type: none"> <li>• <b>Unit 1 Presentations</b></li> <li>• <b>Unit 2 Introduction</b></li> </ul>	Unit 1 assignment due before class
Week 5 February 5	<ul style="list-style-type: none"> <li>• <b>Unit 2 Workshop</b></li> </ul>	
Week 6 February 12	<ul style="list-style-type: none"> <li>• <b>Unit 2 Presentations</b></li> <li>• <b>Unit 3 Introduction</b></li> </ul>	Unit 2 assignment due before class
<i>Mid-term recess (Monday, February 18 to Sunday, February 24)</i>		
Week 7 February 26	<ul style="list-style-type: none"> <li>• <b>Unit 3 Workshop</b></li> </ul>	
Week 8 March 5	<ul style="list-style-type: none"> <li>• <b>Unit 3 Presentations</b></li> <li>• <b>Unit 4 Introduction</b></li> </ul>	Unit 3 assignment due before class
Week 9 March 12	<ul style="list-style-type: none"> <li>• <b>Unit 4 Workshop</b></li> </ul>	
Week 10 March 19	<ul style="list-style-type: none"> <li>• <b>Unit 4 Presentations</b></li> <li>• <b>Unit 5 Introduction</b></li> </ul>	Unit 4 assignment due before class
Week 11 March 26	<ul style="list-style-type: none"> <li>• <b>Unit 5 Workshop</b></li> </ul>	
Week 12 April 2	<ul style="list-style-type: none"> <li>• <b>Unit 5 Presentations</b></li> <li>• <b>3 minute thesis presentations</b></li> </ul>	Unit 5 assignment due before class
Week 13 April 9	<ul style="list-style-type: none"> <li>• <b>3 minute thesis presentations</b></li> </ul>	Final report due April 12
Classes End – Tuesday, April 9, 2019		

Note: This structure represents a plan and is subject to adjustment term by term. The instructor and the university reserve the right to modify elements of the course during the term. The university may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes.

4. ASSESSMENT OF LEARNING and IMPORTANT DATES	Weight
Pre-reflection/learning objectives/draft plan of action – due January 15 before class	3%
Unit assignments (five) due before the beginning of the next unit <ul style="list-style-type: none"> <li>• Baseball card portion of each unit assignment is worth 2% and is due by noon on the Monday following the unit introduction</li> </ul>	15% per assignment
Participation	5%
Unit presentation (one) – sign up for time slot	7%
Path forward/post-reflection (3 minute thesis and written report) – sign up for 3 minute thesis time slot, report due April 12 by midnight	5% + 5%
<b>TOTAL</b>	<b>100%</b>
Percentage grades will be converted to letter grades and grade points per the University calendar.	

<b>5. LEARNING OUTCOMES</b>	
1. To learn basic science and its application to careers in biomedical sciences	
2. To understand the skills and knowledge used in a variety of careers	
3. To identify transferable skills that can be applied to specific careers	
<b>6. POLICIES</b>	
<b>Anti-Discrimination</b>	
<p>The Faculty of Health Sciences is concerned with ensuring an environment that is free of all discrimination. If there is a problem, individuals are reminded that they should contact the Department Chair, the Sexual Harassment Officer or the Human Rights Consultant, as soon as possible.</p> <p><a href="http://www.mcmaster.ca/policy/General/HR/Anti-Discrimination%20policy.pdf">http://www.mcmaster.ca/policy/General/HR/Anti-Discrimination%20policy.pdf</a></p>	
<b>Academic Integrity</b>	
<p>You are required to exhibit honesty and use ethical behaviour in all aspects of the learning process. Academic credentials you earn are rooted in principles of honesty and academic integrity.</p> <p>Academic dishonesty is to knowingly act or fail to act in a way that results or could result in unearned academic credit or advantage. This behaviour can result in serious consequences e.g. the grade of zero on an assignment, loss of credit with a notation on the transcript (notation reads: "Grade of F assigned for academic dishonesty"), and/or suspension or expulsion from the university.</p> <p>It is your responsibility to understand what constitutes academic dishonesty. For information on the various kinds of academic dishonesty please refer to the Academic Integrity Policy, located at: <a href="http://www.mcmaster.ca/policy/Students-AcademicStudies/AcademicIntegrity.pdf">http://www.mcmaster.ca/policy/Students-AcademicStudies/AcademicIntegrity.pdf</a>.</p> <p>The following illustrates only three forms of academic dishonesty:</p> <ol style="list-style-type: none"> <li>1. Plagiarism. e.g. the submission of work that is not own or for which other credit has been obtained</li> <li>2. Improper collaboration in group work</li> <li>3. Copying or using unauthorized aids in tests and examinations.</li> </ol>	
<b>Requests for Relief for Missed Academic Term Work (Assignments, Mid-Terms, etc.)</b>	
<p>The McMaster Student Absence Form is a self reporting tool for <b>Undergraduate Students</b> to report absences that last up to 5 days and provides the ability to request accommodation for any missed academic work. Please note, this tool <u>cannot</u> be used during any final examination period.</p> <p>You may submit a maximum of 1 Academic Work Missed requests per term. It is YOUR responsibility to follow up with your Instructor immediately regarding the nature of the accommodation.</p> <p>If you are absent more than 5 days or exceed 1 request per term you <b>MUST</b> visit your Associate Dean's Office (Faculty Office). You may be required to provide supporting documentation.</p> <p>This form should be filled out immediately when you are about to return to class after your absence.</p> <p><a href="http://www.mcmaster.ca/msaf/">http://www.mcmaster.ca/msaf/</a></p>	
<b>Late Work</b>	
<p>Late penalties for the baseball card portion of the unit assignment will be 50% for the first day, and after 24 hours, the baseball cards will not be accepted and a grade of 0 will be assigned. Late penalties for all other work will be assessed at 10 % per day, including weekends. After 3 days, the work will not be accepted and a grade of 0 will be assigned.</p>	
<b>Communications</b>	
<p>It is the student's responsibility to:</p> <ul style="list-style-type: none"> <li>• Maintain current contact information with the University, including address, phone numbers, and emergency contact information.</li> <li>• Use the University provided e-mail address or maintain a valid forwarding e-mail address.</li> <li>• Regularly check the official University communications channels. Official University communications are considered received if sent by postal mail, by fax, or by e-mail to the student's designated primary e-mail account via their @mcmaster.ca alias.</li> <li>• Accept that forwarded e-mails may be lost and that e-mail is considered received if sent via the student's @mcmaster.ca alias.</li> <li>• Check the McMaster/Avenue email and course websites on a regular basis during the term.</li> </ul>	
<b>Protection of Privacy Act (FIPPA)</b>	

The Freedom of Information and Protection of Privacy Act (FIPPA) applies to universities. Instructors should take care to protect student names, student numbers, grades and all other personal information at all times. For example, the submission and return of assignments and posting of grades must be done in a manner that ensures confidentiality.

<http://www.mcmaster.ca/univsec/fippa/fippa.cfm>

### **Academic Accommodation of Students with Disabilities Policy**

Students who require academic accommodation must contact Student Accessibility Services (SAS) to make arrangements with a Program Coordinator. Academic accommodations must be arranged for each term of study. Student Accessibility Services can be contacted by phone 905-525-9140 ext. 28652 or e-mail [sas@mcmaster.ca](mailto:sas@mcmaster.ca). For further information consult McMaster's policy for Academic Accommodation of Students with Disabilities

<http://www.mcmaster.ca/policy/Students-AcademicStudies/AcademicAccommodation-StudentsWithDisabilities.pdf>

Students must forward a copy of the SAS accommodation to the instructor of each course immediately upon receipt. If a student with a disability chooses NOT to take advantage of a SAS accommodation and chooses to sit for a regular exam, a petition for relief may not be filed after the examination is complete.

<http://sas.mcmaster.ca>

### **Student Code of Conduct**

The Student Code of Conduct (SCC) exists to promote the safety and security of all the students in the McMaster community and to encourage respect for others, their property and the laws of the land. McMaster University is a community which values mutual respect for the rights, responsibilities, dignity and well-being of others. The purpose of the Student Code of Conduct is to outline accepted standards of behavior that are harmonious with the goals and the well-being of the University community, and to define the procedures to be followed when students fail to meet the accepted standards of behavior. All students have the responsibility to familiarize themselves with the University regulations and the conduct expected of them while studying at McMaster University.

<http://judicialaffairs.mcmaster.ca/pdf/SCC.pdf>