Health Sciences 3BA3 - Symptomatology
Winter 2018 C’01 - Tuesday 11:30 - 2:20 pm - MDCL 2230

PROFESSOR:
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INTRODUCTION:
This unique course will examine the science of the symptoms of various diseases. Both the physiological and molecular mechanism(s) of various symptoms will be explored pertaining to a disease state. Signals to various organs will be explored in the context of symptoms. The molecular basis of symptoms will be elucidated. The course is an inquiry-based examination of symptoms. The course will be organized into small groups.

DISEASES:
Groups will work on diseases based on their tutorial assignment. Available Diseases Include:

- Diabetes (Type II)
- HIV / AIDS
- Multiple Sclerosis
- Hepatitis

LEARNING OBJECTIVES:
1. To provide you with an opportunity to explore essential concepts of disease;
2. To provide practice in the art of finding and assessing information and recognizing its limitations;
3. To provide an opportunity for you to practice prioritizing your learning;
4. To provide an opportunity to work in a group;
5. To realize that you have a responsibility to facilitate the learning of others in your group, and they have a reciprocal responsibility to you;
6. To make you confident in your ability to contribute in discussion and to ask questions

PHILOSOPHY:
This is a self-study course with elements of interdependent, self-directed and problem-based learning. It is not self-paced.

CLASS MEETINGS:
Each section will be divided into groups. Group size will generally have 5 - 6 members. Outside of the scheduled class time, groups will be expected to meet at least weekly to discuss their research and learn from each other. During the tutorial presentations, one (1) member of each group will present. The presentation should last approximately 25 minutes, plus an additional 10 minutes for questions and discussion. PowerPoint slides are required for all presentations.

PowerPoints should be constructed in a clear and precise manner, and contain information about scientific content, formal references to identify your sources (Vancouver referencing style preferred). Tutorial attendance is mandatory. If missed due to illness or injury, an MSAF must be provided to the Coordinator (Stash Nastos).
Your TA and Professor are responsible for marking tutorial presentations.

REPORTS:
This exercise is extremely important. The point is to give you practice in writing to a specific document length in precise, grammatically correct English that communicates content information. We will be looking for a synthesis of knowledge that demonstrates that each student asks questions, seeks answers, reflects on these answers and makes connections between pieces of information contributed from different sources and/or by different people. There will be a report per student for the symptom during the semester. Your report is due 1 week following your presentation. Your TA is responsible for marking the reports.

MIDTERM MEETING:
Each group will meet with Dr. Singh for 45 minutes in the week of Feb 26 – Mar 2.

GRADING:
The grading scheme is as follows:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Intro Group Presentation</td>
<td>5%</td>
</tr>
<tr>
<td>Individual Symptom Presentation</td>
<td>20%</td>
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<tr>
<td>Symptom Papers</td>
<td>25%</td>
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<tr>
<td>Midterm Meeting + Peer Evaluation</td>
<td>20%</td>
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<tr>
<td>Group Final Paper + Presentation</td>
<td>30%</td>
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* Individual / Group marks above are intended to describe the component of the total marks for an assignment category that are derived from an individual’s presentation / paper, and also from the papers / presentations of their group members on their own individual assignments.

For example: one grade will be given per assignment. For a member of a 6 person group, 10% of the ‘Individual Presentation’ mark is from that individual’s presentation, and the other 10% is a function of their group members presentations. The purpose of this is to ensure that every group member has a stake in the performance of their other group members.

* We reserve the right to alter weights in any category without eliminating any of the above. Conversion from percentages to letter grades will follow the standard McMaster procedure (please see the Table below). All percentage grades within 0.5 % of the next letter grade will be reviewed (rounding not guaranteed).

<table>
<thead>
<tr>
<th>%</th>
<th>Letter</th>
<th>%</th>
<th>Letter</th>
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<th>Letter</th>
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</thead>
<tbody>
<tr>
<td>90-100</td>
<td>A+</td>
<td>77-79</td>
<td>B+</td>
<td>67-69</td>
<td>C+</td>
<td>57-59</td>
<td>D+</td>
<td>0-49</td>
<td>F</td>
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<tr>
<td>85-89</td>
<td>A</td>
<td>73-76</td>
<td>B</td>
<td>63-66</td>
<td>C</td>
<td>53-56</td>
<td>D</td>
<td>0-49</td>
<td>F</td>
</tr>
<tr>
<td>80-84</td>
<td>A-</td>
<td>70-72</td>
<td>B-</td>
<td>60-62</td>
<td>C-</td>
<td>50-52</td>
<td>D-</td>
<td>0-49</td>
<td>F</td>
</tr>
</tbody>
</table>

MISSED WORK AND LATE SUBMISSIONS:
Course work missed due to illness or personal circumstances may be made up. You must submit appropriate documentation (e.g. note from physician) to your Faculty/Program office (in MDCL-3308). It is your responsibility to follow-up with the Coordinator. No mark will be entered for the missed work unless the Faculty/Program office gives its approval. All course work must be submitted to the appropriate LearnLink folder on the due date and time. Late course work will be penalized 20% a day (including weekends). Late penalties will not be waived unless your Faculty/Program office advises the Coordinator that you have submitted to that office the appropriate documentation to support your inability to submit the work by the due date and time.

ACADEMIC INTEGRITY:
You are expected 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. Academic dishonesty is to knowingly act or fail to act in a way those results or could result in unearned academic credit or advantage. This behaviour can result in serious consequences, e.g. the grade of zero on course work, 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. It is your responsibility to understand what constitutes academic dishonesty. For information on the various types of academic dishonesty, please refer to the Academic Integrity Policy, located at: www.mcmaster.ca/academicintegrity.

The following illustrates only three forms of academic dishonesty:

1. Plagiarism, e.g. the submission of work that is not one's own or for which other credit has been obtained.
2. Improper collaboration in group work.
3. Copying or using unauthorized aids in tests and examinations.

In this course, we will be using a web-based service (Turnitin.com) to reveal plagiarism. Students will be expected to submit their work electronically to Turnitin.com and in hard copy so that it can be checked for academic dishonesty. Students who do not wish to submit their work to Turnitin.com must still submit a copy to the instructor. No penalty will be assigned to a student who does not submit work to Turnitin.com. All submitted work is subject to normal verification that standards of academic integrity have been upheld (e.g., online search, etc). To see the Turnitin.com Policy, please go to: www.mcmaster.ca/academicintegrity