

## **BIOL 202 Group project and activities, Part II**

### **4. Project selection and title submission (one submission per group): due Feb 17<sup>th</sup> (Fri)**

#### **(1) Project topic selection poll open Feb 10<sup>th</sup> – Feb 17<sup>th</sup>**

Select a topic from the 'Project topic selection' poll in the Group activity area. This poll will open on Feb 10<sup>th</sup> and close on Feb 17<sup>th</sup>. Only one topic selection per group is allowed. If I see one group selected multiple topics, I will remove both selections. This means you should select someone who represents your group.

If you cannot select the topic you wish, this means other groups picked the same topic already. Then you'll have to select another topic. You can change the topic selection later on as long as the new topic is still available.

- Alcohol consumption and stroke
- Alcohol consumption and coronary heart disease
- Alcohol consumption and Type 2 diabetes
- Alcohol consumption and colorectal cancer
- Alcohol consumption and breast cancer
- Sleep apnea and stroke
- Sleep apnea and coronary heart disease
- Sleep apnea and Type 2 diabetes
- Sleep apnea and colorectal cancer
- Sleep apnea and breast cancer
- Dietary fibre consumption and stroke
- Dietary fibre consumption and coronary heart disease
- Dietary fibre consumption and Type 2 diabetes
- Dietary fibre consumption and colorectal cancer
- Dietary fibre consumption and breast cancer

If your group wishes to investigate another health condition other than those listed above, choose one of the following in the poll. The health condition must be measurable and quantifiable.

- Alcohol consumption and Y
- Dietary fibre and Y
- Sleep apnea and Y

### **Suggested Group activity:**

Your group members should discuss the following:

- Potential project topics and create the top-three choice list. It's a good idea to do a bit of literature search before deciding.
- Select the group member who will choose the topic.

## **(2) Project title announcement and article selections**

Once your group secures a topic, then you need to decide on the project title & two research articles.

- i) Create an appropriate project title based on your topic selection. The title should be more descriptive

*Project title examples*

- Does cigarette smoking increase lung cancer risk?
- Does smoking cessation help reduce lung cancer risk?
- Is ginger supplementation an effective treatment of nausea and vomiting?

- ii) Find at least two primary research articles that examine the question you are asking. Research articles must be peer-reviewed. Here are examples of acceptable research articles.

- Double-blind study or animal study
  - Minimum 30 participants (animals) per treatment. The more, the better.
  - Open-label study is not acceptable.
- Observational study
  - 1000 or more (often more than 10 000)
- Meta-analysis: Statistical analysis of multiple scientific studies

- iii) Announce the project title and the research articles in the 'Project title announcement' forum in the group activity area. Please follow the direction on Moodle submission system. Again, please select someone who will do the posting. The project title announcement system is open from Feb 9<sup>th</sup> to Feb 11<sup>th</sup>.

- iv) The instructor or TA must approve your title and article selections. Your title may be rejected or you may be asked to change the article and/or article.

**5. Outline submission (one submission per group): due Feb 24<sup>th</sup> (Fri)**

You can start preparing for the outline as soon as you receive approval from your TA. The purpose of this outline is to present the overall structure of the project and member roles. Please read the project outline template file for more information. The outline submission area is found in the group area.

**6. Draft submission (group work): due Mar 17<sup>th</sup> (Fri)**

- You can start working on the wiki page as soon as your TA approves the outline. See pages 3 & 4 of Group Project Direction Part I for the project structure. See the submission area for the submission procedure.
- The project draft should have all the required components. The main text should be as close as the final draft. But we are not too concerned about aesthetics (image quality and layout attractiveness) at this point.

**7. Publish the group project on Moodle Wiki (group work): due Mar 24<sup>th</sup> (Fri)**

- You need to publish your group project into Moodle Wiki interface. There will be a separate instruction for this step.
- You can start working on this part before you receive feedback from your TA. But once you receive feedback from your TA, you should incorporate TA's feedback.
- The purpose of this Wiki interface is to show your project to students in other groups. So, please make your Wiki page more appealing and readable. Add a few more images (don't forget to cite). Pay attention to paragraph structures and font sizes. Check the accessibility of the page.

**8. Give feedback to other groups (individual work): due Mar 31<sup>st</sup> (Fri)**

- At this stage, Wiki pages will become visible to other groups.
- Every student must read works by four other groups and must leave constructive feedback. The feedback direction will be posted on Moodle.

**9. Finalize Wiki page (group work): due Apr 11<sup>th</sup> (Tue)**

- You can incorporate feedback from TA and other students before finalizing the project. After this date, you cannot modify the Wiki page.

**10. Peer-evaluation period (individual work): Apr 12<sup>th</sup> (Wed) – Apr 17<sup>th</sup> (Mon)**

- Two peer-evaluation systems will open on the eConcordia portal. One is for evaluating other groups' work and the other is for evaluating other members of your group. It is a short questionnaire format and should not take too long to complete.