

## **Table of Contents**

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### **Introductory Information**

## BCMB 406A Laboratory Schedule, 2015

Week	Dates	Lab(s)	Day 1	Day 2	Due Dates
1	Sept. 14-18	<b>Introduction and Safety talk</b> <b>Lab 1:</b> Isolation and Identification of Peptides and Proteins	Bradford assay	1 <sup>st</sup> dimension of 2D-PAGE	
2	Sept. 21-25	<b>Lab 1:</b> Isolation and Identification of Peptides and Proteins	2 <sup>nd</sup> dimension of 2D-PAGE and HPLC	Gel imaging & spot excision	
3	Sept. 28- Oct. 2	<b>Lab 1:</b> Isolation and Identification of Peptides and Proteins <b>Lab 2:</b> Immunological Characterization of Cancer Cell Lines	Lab 1: Tryptic digestion and HPLC Lab 2: Prelab talk	Lab 1: Zip-tip plate spotting	



## Evaluation and Assessment

### Percentage Breakdown for the Course:

Lab Reports	<b>25 %</b>	see pages v and vii for more details
Exams	<b>50 %</b>	see page v for more details
Practical Assessment	<b>15 %</b>	see page v for more details
Laboratory Journal	<b>10 %</b>	

**Lab Reports (25%):** Marks for the lab reports will be assigned as indicated below.

<b>Laboratory Report</b>	<b>Marks</b>
Lab 1 – Isolation and Identification of Proteins and Peptides	30
Lab 2 – Immunological	



## Laboratory Report Guidelines and Format

- **All laboratory reports must be written up individually.**
- Text should be typed and double-spaced, with margins no smaller than 1.9 cm (0.75")
- Use 12 point font of a standard style such as Arial or Times New Roman.
- All written text should be concise, well written and proofread for grammar and spelling.







16. **Dispose of infectious solid waste in the yellow biohazard buckets for autoclaving.**  
This includes pipette tips, agar plates, contaminated gloves or paper towels, etc
17. **Report any accidents or safety concerns to an instructor immediately.**
  - If skin comes into contact with chemicals, wash immediately with cold running water for at least 10 min.
  - In the event of a bacterial spill, pour an equal volume of bench disinfectant on top of the spill and allow it to sit for five minutes. Clean up the spill wearing gloves and using a no-touch technique. Discard all waste in a yellow biohazard bucket for autoclaving. **WASH YOUR HANDS with hand disinfectant and soap.**
  - Do not pick up broken glass. The instructor will do this.
  - If something has splashed in your eyes, rinse them at the eye wash station for at least 20 min.
18. **Mouth pipetting is prohibited.** A safety bulb or pipettor must be used.
19. **Sitting on laboratory work surfaces is prohibited.**
20. **Use of cellular devices is not allowed in the lab.**
21. **Note the location of the following safety equipment:**
  - Eye wash station
  - Safety shower
  - Fire extinguisher
  - Telephone
  - Fire alarm
22. **Before leaving the laboratory:**
  - Place all cultures and other contaminated materials to be discarded in the appropriate containers for sterilization in the autoclave
  - Put your experimental materials (**labeled!**) in the appropriate bins or racks for incubation or storage
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## Fire Evacuation Procedure

### If you discover a fire:

- Activate the nearest fire alarm pull station.
- Call **911** and Campus Security Services at **7599**. State your name and location.
- Evacuate the building.

### If you hear a fire alarm:

- If possible secure equipment and close windows and doors.
- Follow the established evacuation route. Do not use elevators.
- Meet at your designated Emergency Evacuation Site.
- Do not re-enter the building until permission is given by the Fire Department.

### If you cannot evacuate:

- Close the doors between you and the fire.
- If possible call **911** and advise the Fire Department of your situation.
- Hang clothing or a cloth from a window to alert emergency response personnel.

## Earthquake Evacuation Procedure

### During an Earthquake:

- Get away from windows and heavy objects.
- Duck, cover and hold on. Crouch low to the ground; protect head with your arms; seek cover under and hold onto heavy furniture. Watch for moving objects.
- If you are in an interior hallway, stay there and crouch against the wall. Watch for swinging doors.

### After an Earthquake:

- After the shaking stops wait 60 seconds then evacuate the building. Do not use elevators.
- Make your way to the UVic Campus Assembly Area to receive instructions and information. Keep away from power lines and buildings to avoid falling debris.
- Report any injuries to Campus Security Services.