

# **Anatomy and Cell Biology 9566 & 9555**

## **A Graduate Seminar in Professionalism**

**Note that course requirements vary for 9566 and 9555 students**

### **1. Overall Course Objectives:**

- A) Create an inclusive and communicative environment to foster good comportment of young professionals. In this environment many discussions of experiences, expansion on research and professional topics, and sharing of current research topics, skills, and writing practices will be actively undertaken.
- B) Provide an opportunity for individuals to practice new or refine existing communication skills (writing, presenting, debating, and discussing) while expanding and integrating their command of the literature.
- C) Enumerate achievement, reflect on experiences, and build a tangible dossier of professional skills, experiences, and milestones in preparation for the next step in education, employment, ad life.
- D) Investigate and employ the institutional research, professional development, and support structure as a class at the Taylor Library, the Student Success Centre and as individuals at various continuing professional development opportunities at Schulich or in the greater UWO or London community.

### **2. Two Terms – Two Sets of Objectives**

**2. a) Fall Term – please see OWL for weekly Topics as we address the following Schedule.**

Week	Date	Lecture/Topic	Learning Objectives
1		Nodes on Your Roads Exploration of how you arrived and where you may go.	- enumerate professional skills - reflect on decisions you made or made for you - plan for future decisions
2		Academic integrity	- identify and define integrity - recognize examples of acceptable and not acceptable data management - develop skills of data management
3		Critical Appraisal	

4		How to write abstract	
5		How to give feedback	
6		Library Search and Apprehend Skills Archive what you've read Embedded Librarian	<ul style="list-style-type: none"> <li>- explore the library systems</li> <li>- define MESH and how these terms relate to your research</li> <li>- introduce reference data management</li> </ul>
7		Scholarship/CCV/Ethics	<ul style="list-style-type: none"> <li>- undertake TCPS2 ethics module (9566 req)</li> <li>- introduce the CCV</li> <li>- explore the components of how scholarships are judged internally</li> </ul>
8		Personal Assessment and Growth	<ul style="list-style-type: none"> <li>- introduce Own Your Future (OYF)</li> <li>- explore their Power Skills personal assessment (week prior)</li> <li>- debrief the general competencies within OYF</li> <li>- attend 2 OYF events (9566 req)</li> </ul>
9		Teaching Dossier	<p>Tyler &amp; Tim / Lisa?</p> <ul style="list-style-type: none"> <li>-compare contrast academic CV and Dossier</li> <li>-TP (first 1.5)</li> <li>-allude to OER - eCampus Ontario</li> </ul> <p>Actual Applications / Interviews (last 0.5hrs)</p> <ul style="list-style-type: none"> <li>- view elements of job cover letter</li> </ul> <p>- strategize about what to include as it pertains to the offering</p> <p>Career Portfolio lecture moved to 9565 time:</p> <ul style="list-style-type: none"> <li>- discuss examples</li> <li>-introduce career portfolio (9566 req)</li> </ul>
10		What do you know about the job to which you aspire? & Informational Interviews  Occupational research/Linkedin/Interviews	<ul style="list-style-type: none"> <li>- ideate about your path</li> <li>- what drives your perceptions</li> <li>- develop alternate plans</li> <li>- multiverse approach to career planning</li> <li>- introduce informational interview (9566 req)</li> <li>- ideate about your path</li> <li>- what drives your perceptions</li> <li>- develop alternate plans</li> <li>- multiverse approach to career planning</li> <li>- introduce informational interview (9566 req)</li> </ul>
11		Manuscript critique	

12		Good Grants	develop skills of good grantspersonship - discuss examples of grant elements - practice examples
13		Art of the Chalk Talk	cancelled

### **A combined cohort of Clinical Anatomy (required) and ACB 9555 BioScience Seminar:**

Components of becoming young professionals will be introduced and practiced through the general objectives:

- recognize research fidelity, dos and don'ts
- discuss the art of grant writing
- discover, enumerate and examine your personality traits
- explore career options within and outside of academia
- reflecting on how to reflect deeply
- develop literature search, archive, and citation skills
- appraise and critical review of literature
- practice writing with purpose and influence
- explore careers options.
- develop professional profile.
- establish a comprehension of your personal strengths and challenges.

### **2b) Winter Term – see OWL for Journal Club Wiki**

**Students will stream into journal clubs of topical research. For example, ACB 9555 with their course coordinator while ACB 9566.**

Topics of interest will be identified through the scholarly literature by participants in the course and will include:

- discuss anatomical educational trends, practices, and techniques.
- evaluate, discuss, and debate scholarly research by leading and participating in weekly discussions.
- organize and lead 2 journal club discussions with your cohort online
- practice evaluating your peers critically
- provide and receive constructive feedback.

The Journal Club is conducted weekly with normally 2 manuscripts presented.

For the first iteration, a wiki environment within OWL where students will both selected a manuscript from a pool of relevant manuscripts and determine a presentation date. For the second iteration, students choose their date/time and select a manuscript individually, either from their research or from the wider scientific community to present to the group.

The format of manuscript presentation and discussion facilitation is up to the presenter. Activities, discussions, and presentations should be under 50mins.

### **3. EVALUATION:**

#### **Clinical Anatomy Stream Student Participation and Performance:**

Excelling in the course requires that the student participate and understand the spirit of the course. Participation at **ALL SESSIONS** is a required component of professionalism. Illness is understandable but be aware that medical documentation may be requested in certain cases. Only under exceptional circumstances can a student miss more than two sessions in any given term.

For auditors, the possibility for feedback is also an option. Simply let TDW know and he will ensure you are on his feedback radar. This may be useful for feedback of your contributions to discussions and interaction with others in the class. If you decide to make a career portfolio, and you should, feedback can be provided.

### **4. Criteria for evaluation**

#### **4a) Primarily Fall Term**

**5%** - Preparation and **Participation** Fall Term (pre-work and contributions to class discussion)

#### **Amassing Career Portfolio**

**5%** - Proposed Table of Contents (TOC) for your **Career Portfolio** ([see below](#))

**5%** - Complete the online course of the [The Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans \(TCPS 2\)](#)

- You will create an account so you can start and stop at any time
- You will get a certificate. Why not include with Career Portfolio?
- It's required at Western to undertake research with humans.
- *Reflection #1 in Career Portfolio Lecture*

**5%** - Canadian ~~Common CV~~

**10%** - Take control of your personal growth, look beyond the books.

- Commence involvement in Own Your Future Activities ([see below](#))
- 5% - Complete your personal Power Skills Assessment (already done)
  - i) You can re-reflect on this if you like, read over your prior version, does it still resonate? If not, write a new one and submit it (*Reflection #2 as described in Career Portfolio Lecture*)

**OR**

- ii) 5% - Attend and participate in at least one Own Your Future workshop  
(*Reflection #2 in Career Portfolio Lecture*)  
**OR**
- iii) 5% - Participate in some type of character-building event, workshop, retreat, webinar etc. Unsure if you think it's appropriate, just ask me.  
(*Reflection #3 in Career Portfolio Lecture*)  
**OR**
- iv) 5% - Undertake an Informational Interview with a person of your choice.  
(*Reflection #3 in Career Portfolio Lecture*)

**Assignment Summary: (20% of grade)**

- 1) Amass some unique experiences outside the laboratory, classroom, peer group or friends.
- 2) Think about what these experiences mean to you.
- 3) Write 3 reflections on any the experiences within the categories described above.
- 4) Develop a table of contents for your Career Portfolio.

#### **4b) Primarily Winter Term**

**5%** - Attend and participate in at least one Own Your Future workshops.

- i) Workshop certificate and a short reflection (<2 page) on experience into career portfolio

**15%** - Weekly Journal Club - Leading Discussions utilizing skills, techniques, and experimenting with your presentation style (TATP for example) and/or leading discussions

**10%** - Preparation and Participation Winter Term (pre-work and contributions to class activities)

**40%** - *Career Portfolio* - Your LinkedIn page online, plus accompanying reflections and major artefacts in the Portfolio. Your teaching dossier from ACB 9565 is an unmarked but required component of the Portfolio, a **reflection** on your dossier will be graded.

## **5. Over Riding Themes Throughout the Course related to Rubric**

### **5a) Magnitude and Responsibilities of Research**

#### **Understanding Research Ethics**

Register and complete the online modules that guides the principles of the university's Office of Research Ethics through the Tri-Council Policy Statement. The Tri-Council consists of three agencies that grant research monies to institutions like Western. The agencies are the Canadian Institutes of Health Research (CIHR), Natural Sciences and Engineering Research Council of Canada (NSERC) and the Social Sciences and Humanities Research Council (SSHRC). This exercise will take

approximately 3 hours and you will receive a certificate at the successful completion. This certificate will accompany your Career Portfolio.

- [link to TTCP2 Core Ethics](#)
- you will get a certificate.
- you need to write a **reflection** on the experience and include in your career portfolio.

## 5b) Do you Know what's out there?

### Owning Your Future

You have a wonderful resource at your fingertips, and it is absolutely free, you've essentially already paid for it with your tuition! The program was initially developed for doctoral students, but our class is encouraged to attend any workshop we wish!

There is pre-work to undertake however, it is called a Power Skills Assessment. This in-depth survey will take 30-45 minutes. It should be commenced early in the term at <https://www.uwo.ca/ownyourfuture/>. Your answers are compiled electronically, the confidential results are sent back to your uwo login email address.

Things to consider while you take the survey and receive results:

- Take your time to complete the questionnaire.
  - Think about how your answers refer to you currently, not where you'd like to be.
- Upon receiving the results (usually less than 5 mins) study them and decide how they best represent your professional skill set, don't worry, we will have a class on this so you are set up well. These skills are labile and of course change with experience so you can take the survey repeatedly over the course of your graduate experience to monitor how you've changed.
- Using your Power Skills Assessment results as a guide, you now can explore the calendar to choose workshops that might address some deficiencies or unknowns. The schedule is flexible:
- <https://connect.uwo.ca/events/ownyourfuture.htm> they start as early as Sept 18<sup>th</sup> so consider it before we cover it.
- Based on your skills assessment, choose **at least 2 workshops** to attend over the year together (there is flexibility in the evaluation rubric for when you attend)

## 5c) Prepare for Happenstance

### Career Portfolio

There is no single form of a good career portfolio. Please look online for a plethora of sources online and/or the guide on our OWL site. We will have an entire session on this important aspect of your course as it entails both an online portion (LinkedIn) and a more private portion where your creativity and reflections will reside.

- This is the major assignment for the course and it is due in March.
- **DO NOT WAIT** too late to start as it cannot be completed quickly
  - Some components require work in the fall term or perhaps digging around at your home to find pertinent materials and artifacts, *this is not a last-minute exercise*

## **Final Thoughts**

Please don't think of this as a stand-alone course. Your professors have integrated people and their experiences to create a rich course like non other. Consider it a practice point for you to integrate emerging skills, tools, and ideas as you experiment with a wide girth of your academic and professional life. In order to be successful here you'll need cooperation; effort; forward planning; yes, for sure some perspiration; open mindedness; some passion would be nice; and maybe a pen.

Graduate school is a place to reinvent aspects of your being. Retain and strengthen what you want while altering or discarding what distracts you from your goals. In all cases, you are the master of the failures and successes and experiences along the way represent important learning opportunities.