Anatomy and Cell Biology
ANATCELL 2200B—Systemic Anatomy

This course overview has been created to communicate expectations for 2020/2021 courses offered by the basic medical science departments to help you plan your semesters. This is a draft and final details will be reflected in the syllabus closer to the start date of the course. Refer to previous course syllabi for learning outcomes.

Instructor: Michele Barbeau
Email: mbarbeau@uwo.ca

Course description
The official course description can be found in the Academic Calendar. Instructors may or may not adhere to the Extra Information found in the Academic Calendar in terms of the number of lecture/tutorial/lab hours. See below for more information about course delivery mode and time estimates. These time estimates do not include assessments or independent study.

Required:
- Stable internet connection
- Laptop or computer
- Working microphone
- Working webcam

Delivery mode:
This course will be delivered completely online. Virtual sessions will be a combination of synchronous (live) and asynchronous (recorded). Students could be expected to complete work prior to attending sessions. Timetabled sessions could be used for lectures, tutorials, discussions, groupwork, etc. Below are details about the sessions.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Dates</th>
<th>Time</th>
<th>Frequency**</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual synchronous*</td>
<td>T/Th</td>
<td>1030-1130</td>
<td>weekly</td>
<td>Optional</td>
</tr>
<tr>
<td>Virtual synchronous</td>
<td>F</td>
<td>9:30-1030</td>
<td>weekly</td>
<td>Mandatory</td>
</tr>
</tbody>
</table>

*Virtual synchronous sessions will be recorded for later viewing
**A schedule will be posted

Assessments:
Examples of assessments that could be assigned in this course are highlighted in yellow; these examples are based on previous offerings of the course and the learning outcomes that have been set.

- Weekly quizzes
- Participation
- Take home tests/exams
- Written assignments
- Discussion forums
- Timed tests/exams
- Oral presentations
- Groupwork
- Proctored tests/exams
- Other: Practical exam
Anatomy and Cell Biology
ANATCELL 3200A—Functional Human Neuroanatomy

This course overview has been created to communicate expectations for 2020/2021 courses offered by the basic medical science departments to help you plan your semesters. This is a draft and final details will be reflected in the syllabus closer to the start date of the course. Refer to previous course syllabi for learning outcomes.

Instructor: Michele Barbeau  Email: mbarbeau@uwo.ca

Course description
The official course description can be found in the Academic Calendar. Instructors may or may not adhere to the Extra Information found in the Academic Calendar in terms of the number of lecture/tutorial/lab hours. See below for more information about course delivery mode and time estimates. These time estimates do not include assessments or independent study.

Required:
- Stable internet connection
- Laptop or computer
- Working microphone
- Working webcam

Delivery mode:
This course will be delivered completely online. Virtual sessions will be a combination of synchronous (live) and asynchronous (recorded). Students could be expected to complete work prior to attending sessions. Timetabled sessions could be used for lectures, tutorials, discussions, groupwork, etc. Below are details about the sessions.

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<th>Frequency**</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual synchronous*</td>
<td>T/Th</td>
<td>10:30-1130</td>
<td>weekly</td>
<td>Optional</td>
</tr>
<tr>
<td>Virtual synchronous</td>
<td>F</td>
<td>930-1030</td>
<td>weekly</td>
<td>Mandatory</td>
</tr>
</tbody>
</table>

*Virtual synchronous sessions will be recorded for later viewing
**A schedule will be posted

Assessments:
Examples of assessments that could be assigned in this course are highlighted in yellow; these examples are based on previous offerings of the course and the learning outcomes that have been set.

- Weekly quizzes
- Written assignments
- Oral presentations
- Other:
- Participation
- Discussion forums
- Groupwork
- Other:
- Take home tests/exams
- Timed tests/exams
- Proctored tests/exams
- Other: Practical Exam
Anatomy and Cell Biology
ANATCELL 3309—Mammalian Histology

This course overview has been created to communicate expectations for 2020/2021 courses offered by the basic medical science departments to help you plan your semesters. This is a draft and final details will be reflected in the syllabus closer to the start date of the course. Refer to previous course syllabi for learning outcomes.

Instructor: Dr. Martin Sandig  
Email: Martin.sandig@schulich.uwo.ca

Course description
The official course description can be found in the Academic Calendar. Instructors may or may not adhere to the Extra Information found in the Academic Calendar in terms of the number of lecture/tutorial/lab hours. See below for more information about course delivery mode and time estimates. These time estimates do not include assessments or independent study.

Required:
- Stable internet connection
- Laptop or computer
- Working microphone

Delivery mode:
This course will have in person components. Virtual sessions will be a combination of synchronous (live) and asynchronous (recorded). Timetabled sessions could be used for lectures, labs, tutorials, discussions, groupwork, etc. Below are details about the sessions.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Dates</th>
<th>Time</th>
<th>Frequency**</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>In person</td>
<td>Variable</td>
<td>Variable</td>
<td>Weekly**</td>
<td>Optional</td>
</tr>
<tr>
<td>Virtual synchronous*</td>
<td>Tues. &amp; Thur.</td>
<td>11:30-12:30</td>
<td>Weekly**</td>
<td>Yes</td>
</tr>
<tr>
<td>Virtual asynchronous</td>
<td>Mon.</td>
<td>3:30-4:30</td>
<td>Weekly**</td>
<td>Yes</td>
</tr>
</tbody>
</table>

[*Virtual synchronous sessions will be recorded for later viewing]
[**A schedule will be posted]

Assessments:
Examples of assessments that could be assigned in this course are highlighted in yellow; these examples are based on previous offerings of the course and the learning outcomes that have been set.

<table>
<thead>
<tr>
<th>Weekly assignments</th>
<th>Participation</th>
<th>Timed tests/exams</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral presentations</td>
<td>Groupwork</td>
<td>Proctored tests/exams</td>
</tr>
<tr>
<td>Other:</td>
<td>Other:</td>
<td>Other:</td>
</tr>
</tbody>
</table>

6 quizzes, spread out
Anatomy and Cell Biology  
ANATCELL 3329B—Medical Cell Biology

This course overview has been created to communicate expectations for 2020/2021 courses offered by the basic medical science departments to help you plan your semesters. This is a draft and final details will be reflected in the syllabus closer to the start date of the course. Refer to previous course syllabi for learning outcomes.

Instructor: Dr. Paul Walton  
Email: pwalton@uwo.ca

Course description

This course will be offered for the first time in January 2021. At present it is in development, and the delivery modes and assessment methods have yet to be finalized.

The official course description can be found in the Academic Calendar. Instructors may or may not adhere to the Extra Information found in the Academic Calendar in terms of the number of lecture/tutorial/lab hours. See below for more information about course delivery mode and time estimates. These time estimates do not include assessments or independent study.

Required:
- Stable internet connection
- Laptop or computer
- Working microphone
- Working webcam

Delivery mode:
This course may have in person components or will be delivered completely online. Virtual sessions will be synchronous (live), asynchronous (recorded), or a combination of synchronous (live) and asynchronous (recorded). Students could be expected to complete work prior to attending sessions. Timetabled sessions could be used for lectures, tutorials, discussions, groupwork, etc. Below are details about the sessions.

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<th>Time</th>
<th>Frequency**</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>In person</td>
<td>M/T/W/Th/F</td>
<td>[time]</td>
<td>[weekly]</td>
<td>Yes or Optional</td>
</tr>
<tr>
<td>Virtual synchronous*</td>
<td>M/T/W/Th/F</td>
<td>[time]</td>
<td>[weekly]</td>
<td>Yes or Optional</td>
</tr>
<tr>
<td>Virtual asynchronous</td>
<td>N/A</td>
<td>[hours]</td>
<td>[weekly]</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Virtual synchronous sessions will be recorded for later viewing
**A schedule will be posted

Assessments:
Examples of assessments that could be assigned in this course are provided below.

- Weekly quizzes
- Written assignments
- Oral presentations
- Other:
- Participation
- Discussion forums
- Groupwork
- Other:
- Take home tests/exams
- Timed tests/exams
- Proctored tests/exams
- Other:
Anatomy and Cell Biology
ANATCELL 4410A—Discovery-Based Cell Biology I

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Instructor: Dale W Laird (Course coordinator)  Email: Dale.laird@schulich.uwo.ca  D. Laird, P. Walton, P. Lajoie

Course description
The official course description can be found in the Academic Calendar. Instructors may or may not adhere to the Extra Information found in the Academic Calendar in terms of the number of lecture/tutorial/lab hours. See below for more information about course delivery mode and time estimates. These time estimates do not include assessments or independent study.

Required:
- Stable internet connection
- Laptop or computer
- Working microphone
- Working webcam

Delivery mode:
This course will be delivered completely online. Virtual sessions will be a combination of synchronous (live) and asynchronous (recorded). Students could be expected to complete work prior to attending sessions. Timetabled sessions could be used for lectures, tutorials, discussions, groupwork, etc. Below are details about the sessions.

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<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual synchronous</td>
<td>M</td>
<td>12:30-2:30pm</td>
<td>weekly</td>
<td>Yes</td>
</tr>
<tr>
<td>Virtual synchronous</td>
<td>W</td>
<td>10:30-11:30am</td>
<td>weekly</td>
<td>Yes</td>
</tr>
<tr>
<td>Virtual asynchronous**</td>
<td>TBA</td>
<td>1-2 hr</td>
<td>weekly</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**A schedule will be posted

Assessments:
Examples of assessments that could be assigned in this course are highlighted in yellow; these examples are based on previous offerings of the course and the learning outcomes that have been set.

Weekly quizzes  Participation  Take home tests/exams
Written assignments  Discussion forums  Timed tests/exams
Oral presentations  Groupwork  Proctored tests/exams
Debates  Other:  Other:
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Instructor: Dale W Laird (Course Coordinator)  Email: dale.laird@schulich.uwo.ca  N. Berube, S. Penuela, P. Lajoie

Course description
The official course description can be found in the Academic Calendar. Instructors may or may not adhere to the Extra Information found in the Academic Calendar in terms of the number of lecture/tutorial/lab hours. See below for more information about course delivery mode and time estimates. These time estimates do not include assessments or independent study.

Required:

- Stable internet connection
- Laptop or computer
- Working microphone
- Working webcam

Delivery mode:
This course will be delivered completely online. Virtual sessions will be a combination of synchronous (live) and asynchronous (recorded). Students could be expected to complete work prior to attending sessions. Timetabled sessions could be used for lectures, tutorials, discussions, groupwork, etc. Below are details about the sessions.

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</tr>
</thead>
<tbody>
<tr>
<td>Virtual synchronous</td>
<td>M</td>
<td>12:30-2:30pm</td>
<td>weekly</td>
<td>Yes</td>
</tr>
<tr>
<td>Virtual synchronous</td>
<td>W</td>
<td>10:30-11:30am</td>
<td>weekly</td>
<td>Yes</td>
</tr>
<tr>
<td>Virtual asynchronous**</td>
<td>TBA</td>
<td>1-2 hr</td>
<td>weekly</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**A schedule will be posted

Assessments:
Examples of assessments that could be assigned in this course are highlighted in yellow; these examples are based on previous offerings of the course and the learning outcomes that have been set.

- Weekly quizzes
- Written assignments
- Oral presentations
- Participation
- Discussion forums
- Groupwork
- Take home tests/exams
- Timed tests/exams
- Proctored tests/exams
- Other:
Anatomy and Cell Biology
ANATCELL 4451F—Integrative Neuroscience

This course overview has been created to communicate expectations for 2020/2021 courses offered by the basic medical science departments to help you plan your semesters. This is a draft and final details will be reflected in the syllabus closer to the start date of the course. Refer to previous course syllabi for learning outcomes.

**Instructor:** Dr. Shawn Whitehead  
**Email:** shawn.whitehead@schulich.uwo.ca

**Course description**
The official course description can be found in the Academic Calendar. Instructors may or may not adhere to the Extra Information found in the Academic Calendar in terms of the number of lecture/tutorial/lab hours. See below for more information about course delivery mode and time estimates. These time estimates do not include assessments or independent study.

**Required:**
- Stable internet connection
- Laptop or computer
- Working microphone
- Working webcam

**Delivery mode:**
This course [will have in person components or will be delivered completely online]. Virtual sessions will be [synchronous (live), asynchronous (recorded), or a combination of synchronous (live) and asynchronous (recorded)]. Students could be expected to complete work prior to attending sessions. Timetabled sessions could be used for lectures, tutorials, discussions, groupwork, etc. Below are details about the sessions.

<table>
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<tr>
<th>Mode</th>
<th>Dates</th>
<th>Time</th>
<th>Frequency**</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual synchronous</td>
<td>T</td>
<td>9:30-11:30</td>
<td>weekly</td>
<td>Optional</td>
</tr>
<tr>
<td>Virtual asynchronous</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Required</td>
</tr>
</tbody>
</table>

**Assessments:**
Examples of assessments that could be assigned in this course are highlighted in yellow; these examples are based on previous offerings of the course and the learning outcomes that have been set.

- Weekly quizzes
- Participation
- Take home tests/exams
- Written assignments
- Discussion forums
- Timed tests/exams
- Oral presentations
- Groupwork
- Proctored tests/exams
- Other:
Anatomy and Cell Biology
ANATCELL 4452B—Neurobiology of Mental Illness

This course overview has been created to communicate expectations for 2020/2021 courses offered by the basic medical science departments to help you plan your semesters. This is a draft and final details will be reflected in the syllabus closer to the start date of the course. Refer to previous course syllabi for learning outcomes.

Instructor: Steve Laviolette
Walter Rushlow

Email: Steven.Laviolette@schulich.uwo.ca
wrushlow@uwo.ca

Course description
The official course description can be found in the Academic Calendar. Instructors may or may not adhere to the Extra Information found in the Academic Calendar in terms of the number of lecture/tutorial/lab hours. See below for more information about course delivery mode and time estimates. These time estimates do not include assessments or independent study.

Required: [delete any requirements that do not apply]

- Stable internet connection
- Laptop or computer
- Working microphone
- Working webcam

Delivery mode: [update content in square brackets; delete rows in the table that do not apply]
This course [will have in person components or will be delivered completely online]. Virtual sessions will be [synchronous (live), asynchronous (recorded), or a combination of synchronous (live) and asynchronous (recorded)]. Students could be expected to complete work prior to attending sessions. Timetabled sessions could be used for lectures, tutorials, discussions, groupwork, etc. Below are details about the sessions.

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<th>Time</th>
<th>Frequency**</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual synchronous*</td>
<td>Wednesday</td>
<td>11:30-1:30</td>
<td>Weekly</td>
<td>Yes</td>
</tr>
<tr>
<td>Virtual asynchronous</td>
<td>N/A</td>
<td>2 hours</td>
<td>Weekly</td>
<td>N/A</td>
</tr>
</tbody>
</table>

[*Virtual synchronous sessions may be recorded for later viewing]
[**A schedule will be posted]

Assessments: [highlight the assessments that apply or add additional ones below]
Examples of assessments that could be assigned in this course are highlighted in yellow; these examples are based on previous offerings of the course and the learning outcomes that have been set.

- Weekly quizzes
- Participation
- Written assignments
- Discussion forums
- Oral presentation
- Groupwork
- Other: Practical test
- Other:
- Take home tests/exams
- Timed tests/exams
- Proctored tests/exams
- Other:
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Instructor: Drs. Trevor Shepherd, Alison Allan, Email: spenuela@uwo.ca and Silvia Penuela

Course description
The official course description can be found in the Academic Calendar. Instructors may or may not adhere to the Extra Information found in the Academic Calendar in terms of the number of lecture/tutorial/lab hours. See below for more information about course delivery mode and time estimates. These time estimates do not include assessments or independent study.

Required:

- Stable internet connection
- Laptop or computer
- Working microphone
- Working webcam

Delivery mode:
This course will be delivered completely online. Virtual sessions will be synchronous (live), asynchronous (recorded), or a combination of synchronous (live) and asynchronous (recorded). Students could be expected to complete work prior to attending sessions. Timetabled sessions could be used for lectures, tutorials, discussions, groupwork, etc. Below are details about the sessions.

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<th>Frequency</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual synchronous*</td>
<td>M</td>
<td>9:30 – 10:30</td>
<td>weekly</td>
<td>Optional</td>
</tr>
<tr>
<td>Virtual synchronous*</td>
<td>F</td>
<td>9:30 – 12:30</td>
<td>weekly</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*Virtual synchronous sessions will be recorded for later viewing

Assessments:
Examples of assessments that could be assigned in this course are highlighted in yellow; these examples are based on previous offerings of the course and the learning outcomes that have been set.

- Weekly quizzes
- Written assignments
- Oral presentations
- Participation
- Discussion forums
- Groupwork
- Take home tests/exams
- Timed tests/exams
- Proctored tests/exams
- Other:
- Other:
- Other:
Anatomy and Cell Biology
ANATCELL 4480E—Research Project & Seminar

This course overview has been created to communicate expectations for 2020/2021 courses offered by the basic medical science departments to help you plan your semesters. This is a draft and final details will be reflected in the syllabus closer to the start date of the course. Refer to previous course syllabi for learning outcomes.

Instructor: Dr. Silvia Penuela
Email: spenuela@uwo.ca

Course description
The official course description can be found in the Academic Calendar. Instructors may or may not adhere to the Extra Information found in the Academic Calendar in terms of the number of lecture/tutorial/lab hours. See below for more information about course delivery mode and time estimates. These time estimates do not include assessments or independent study.

Required:

- Stable internet connection
- Laptop or computer
- Working microphone
- Working webcam

Delivery mode:
This course will have in person components. Virtual sessions will be synchronous (live), asynchronous (recorded), or a combination of synchronous (live) and asynchronous (recorded). Students could be expected to complete work prior to attending sessions. Timetabled sessions could be used for lectures, tutorials, discussions, groupwork, etc. Below are details about the sessions.

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<thead>
<tr>
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<th>Dates</th>
<th>Time</th>
<th>Frequency**</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>In person</td>
<td>M/T/W/Th/F</td>
<td>4 hours total</td>
<td>weekly</td>
<td>Yes</td>
</tr>
<tr>
<td>Virtual synchronous*</td>
<td>F</td>
<td>12:30 – 4:30</td>
<td>weekly</td>
<td>Yes</td>
</tr>
<tr>
<td>Virtual asynchronous</td>
<td>M/T/W/Th/F</td>
<td>TBA</td>
<td>weekly</td>
<td>Optional</td>
</tr>
</tbody>
</table>

*Virtual synchronous sessions will be recorded for later viewing
**A schedule will be posted

Assessments:
Examples of assessments that could be assigned in this course are highlighted in yellow; these examples are based on previous offerings of the course and the learning outcomes that have been set.

- Weekly quizzes
- Participation
- Take home tests/exams
- Written assignments
- Discussion forums
- Timed tests/exams
- Oral presentations
- Groupwork
- Proctored tests/exams
- Other:
- Other:
- Other: