



**UNSW**  
AUSTRALIA

Medical Sciences  
Medicine

**Department of Anatomy**

# **ANAT 3231**

**CELL BIOLOGY**

**Semester 1, 2016**

Course Outline

Please read this outline in conjunction with the following pages on the [School of Medical Sciences website](#):

- [Advice for Students](#)
- [Learning Resources](#)

(or see "STUDENTS" tab at [medicalsciences.med.unsw.edu.au](http://medicalsciences.med.unsw.edu.au) )

CRICOS Provider Code 00098G

## COURSE COORDINATOR

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**Lecture 1** Mon 2:00PM - 3:00PM Wallace Wurth LG02

**Lecture 2** Tue 11:00AM - 12:00PM Wallace Wurth LG02

**Lab** Thu 11:00AM - 1:00PM Wallace Wurth G07

## TEXTBOOK

**Essential Cell Biology** (4<sup>th</sup> edn.) 2014.

Alternative online textbooks are also available for this course and are cited on Moodle, in the lecture, and in practical online materials. See [Learning Resources](#).

Lecture	Textbook Chapter
1, 2	Chapter 1 Introduction to Cells pp1-38
3	Chapter 11 Membrane Structure pp359-382, Chapter 12 Membrane Transport 383-418 Chapter 15 Intracellular Compartments and Transport 487-525
4	Chapter 5 DNA and Chromosomes pp171-196
5,6	Chapter 15 Intracellular compartments and protein transport pp487-522
7	Chapter 17 Cytoskeleton pp565-600
8	Chapter 17 Cytoskeleton - Microfilaments pp583-600
9	Chapter 17 Cytoskeleton - Microtubules pp570-579
10	Chapter 17 Cytoskeleton - Intermediate Filaments pp567-570
11	Chapter 20 Cellular Communities: Tissues, Stem Cells, and Cancer Epithelial Sheets and Cell Junctions pp700-705
12	Chapter 14 Energy Generation in Mitochondria and Chloroplast pp453-492
13,14	Chapter 20 Cellular Communities: Tissues, Stem Cells, and Cancer Extracellular Matrix and Connective Tissues pp684-692
15	Chapter 18 The Cell Division Cycle - Overview of the Cell Cycle pp603-620
16	Chapter 18 The Cell Division Cycle - Mitosis pp621-632, Cytokinesis pp630-632
17,18	Chapter 18 The Cell Division Cycle - Control of Cell Number pp633-643
19,20	Chapter 16 Cell Communication pp525-563
21,22	Chapter 20 Cellular Communities: Tissues, Stem Cells, and Cancer pp683-726
23	Chapter 20 Cellular Communities: Tissues, Stem Cells, and Cancer – Tissue Maintenance and Renewal pp683-726

## LINKS

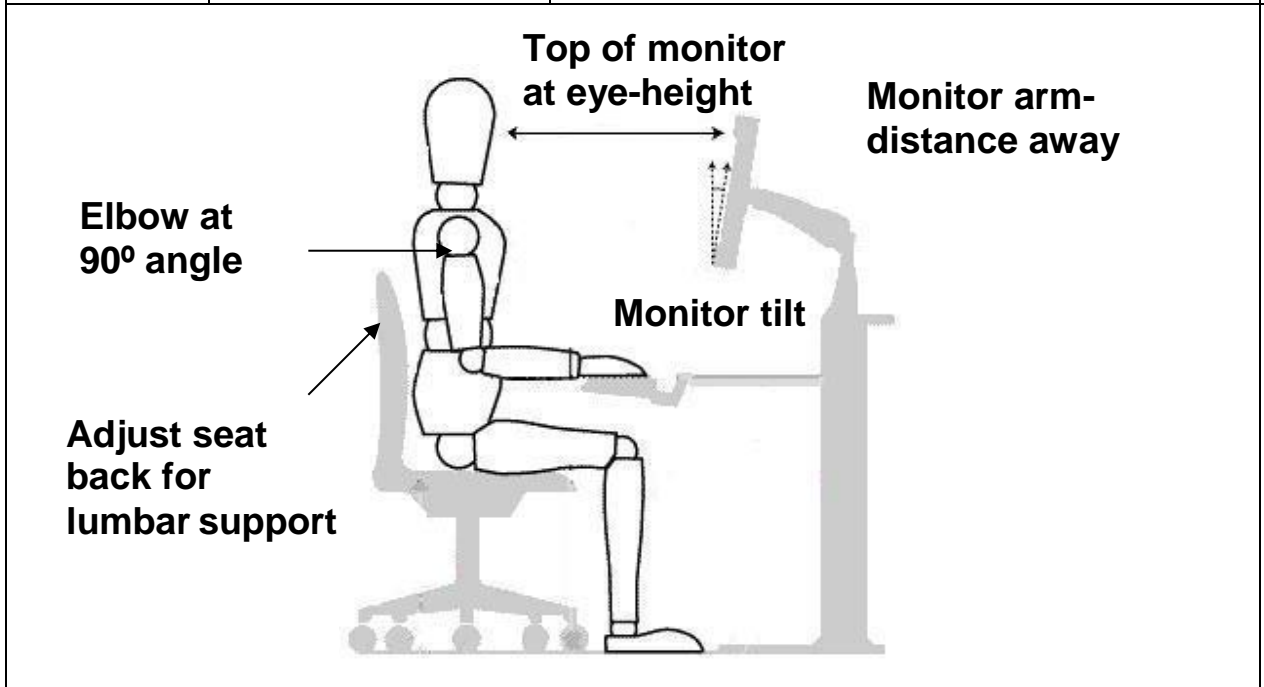
[Cell Biology Wiki](#)    [Cell Biology Moodle](#)

## HEALTH & SAFETY GUIDELINES

Generic safety rules for UNSW can be found at: [SAFETY.UNSW.EDU.AU](http://SAFETY.UNSW.EDU.AU) and for the School of Medical Sciences at [MEDICALSCIENCES.MED.UNSW.EDU.AU/STAFF/STAFF/HEALTH-SAFETY](http://MEDICALSCIENCES.MED.UNSW.EDU.AU/STAFF/STAFF/HEALTH-SAFETY)  
Additional safety information will be provided for classes at other locations.

Science Teaching Laboratory	 <b>UNSW</b> <small>THE UNIVERSITY OF NEW SOUTH WALES</small>	ANAT3231
Student Risk Assessment		Wallace Wurth East G07 Practicals from weeks 1 to 12 in Semester 1, 2016.

Workstation set-up		
Ergonomics	Musculoskeletal pain.	Correct workstation set-up.
Electrical	Shock/fire	Check electrical equipment in good condition before use. All electrical equipment tested and tagged.



Personal Protective Equipment
Not necessary in these practicals. (see note)

Emergency Procedures
In the event of an alarm, follow the instructions of the demonstrator. The initial sound is advising you to prepare for evacuation and during this time start packing up your things. The second sound gives instruction to leave. The Wallace Wurth assembly point is the lawn in front of the Chancellery. In the event of an injury, inform the demonstrator. First aiders contact details and Kit locations are on display by the lifts.

Clean up and waste disposal
No apparatus or chemicals used in these practicals.

Declaration
I have read and understand the safety requirements for these practical classes and I will observe these requirements. Student Number:..... Signature:..... Date:.....