

COURSE SYLLABUS



COURSE TITLE:	MASS 152 – Neurology 2: CNS
CLASS SECTION:	X01 A&B
TERM:	Fall 2023
COURSE CREDITS:	3 credits
DELIVERY METHOD(S):	Lecture and Lab

Camosun College campuses are located on the traditional territories of the Lək̓ʷəŋən and W̱SÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here. Learn more about Camosun's [Territorial Acknowledgement](#).

For COVID-19 information please visit <https://legacy.camosun.ca/covid19/index.html>.

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.

INSTRUCTOR DETAILS

NAME:	Joseph Edward Briante, BSc. JD, RMT
EMAIL:	briantej@camosun.ca
OFFICE:	PISE 203
HOURS:	By appointment or email

As your course instructor, I endeavour to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me. Camosun College is committed to identifying and removing institutional and social barriers that prevent access and impede success.

CALENDAR DESCRIPTION

Restricted to students in Massage Therapy

Students will study the structure and function of the central nervous system, with a focus on the anatomy of the brain, spinal cord, and autonomic nervous system. Students will study the anatomy and physiological mechanisms of the special senses, memory, emotion, and behaviour.

REQUISITE(S): One of: C in MASS 151; C in AET 320 and AET 440

COURSE LEARNING OUTCOMES / OBJECTIVES

- Describe the anatomy and physiology of the spinal cord and spinal reflexes
- Demonstrate the ability to evaluate motor skills and behaviour to inform assessment of neurological conditions and impairments
- Describe the gross anatomy and physiology of the brain, along with the divisions and subdivisions
- Describe the gross anatomy and physiology of the sensory nervous system

- Describe the anatomical features and physiological mechanisms of perception in the special senses, including olfaction, gustation, vision, hearing, and equilibrium
- Describe the higher function of the brain, including speech, memory, emotions, and behavioral functions
- Discuss the differences among motor skills and behavior with consideration across different ages and populations
- Describe the anatomical and physiological mechanisms of the autonomic nervous system and differentiate between the sympathetic and parasympathetic divisions

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Required:

Tortora, G., & Derrickson, B. (2014). *Principles of Anatomy & Physiology (14th edition)*. John Wiley & Sons

Supplementary

Lundy-Ekman, L. (2018). *Neuroscience: Fundamentals for Rehabilitation (5th Ed.)*. St. Louis: MI. Elsevier

COURSE SCHEDULE, TOPICS, AND ASSOCIATED PREPARATION / ACTIVITY / EVALUATION

Lectures:

Mondays: 12:30pm – 1:20pm Portable A, 101

Thursday: 8:30am – 9:30am Portable A, 101

Lab:

Tuesday: 8:30am-10:20am – LACC 104

Tuesday: 2:30am-4:20pm – LACC 107 (Group B)

Labs are bi-weekly alternating between group A and group B

Please pay attention to your lab day in the below schedule

The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor.

	Topic	Lab
Week 1 Lecture: 1 & 2	Monday Sept 4 – College Closed	Tuesday Sept 5 GROUP A Lab 1: The Nervous System
	Thursday Sept 7 Course Introduction and Review Review Nervous System Tissues Review Synapses	
Week 2 Lecture: 3 & 4	Monday Sept 11 Major Divisions of the Brain Brain Stem	Tuesday Sept 12 – GROUP B Lab 1: The Nervous System
	Thursday Sept 14 Cerebellum Diencephalon	
Week 3 Lecture: 5 & 6	Monday Sept 18 The Cerebrum – Deep Nuclei The Cerebrum – Cerebral Cortex	Tuesday Sept 19 – GROUP A Lab 2: The Brain

	Thursday Sept 28 The Cerebrum – Cerebral Cortex & Higher Order Functioning	
Week 4 Lecture: 7 & 8	Monday Oct 2 – College Closed Thursday Oct 5 Spinal Cord	Tuesday Sept 26- GROUP B Lab 2: The Brain
Week 5 Lecture: 9 & 10	Monday Oct 9 – College Closed Thursday Oct 12 Protective Coverings (Meninges and BBB)	
Week 6 Lecture: 11 & 12	Monday Oct 16 Ventricles & CSF Assignment 1 Due!	Tuesday Oct 3- Group A Lab 3: Spinal Cord & Reflexes
Week 7 Lecture: 13 & 14	Thursday Oct 19 The Motor System: Motor Tracts	Tuesday Oct 10 – Group B Lab 3: Spinal Cord & Reflexes
Week 8	MIDTERM WEEK	
Week 9 Lecture: 15 & 16	Monday Oct 30 The Motor Control System: Contributions of the Sensory System, Basal Ganglia, & Cerebellum Thursday Nov 2 ANS: Divisions Midterm Reflection Due!	Tuesday Oct 24 – Group B Lab 4: Motor System Tuesday Oct 31 – Group A Lab 4: ANS
Week 10 Lecture: 17 & 18	Thursday Nov 9 ANS: Neurotransmitters & Receptors	Tuesday Nov 7 Group B Lab 5: ANS
Week 11 Lecture: 19 & 20	Monday Nov 13-College Closed Thursday Nov 16 ANS: Physiology & Function ANS: Reflexes & Neurological Control	
Week 12 Lecture 21 & 22	Monday Nov 20 Sensory Receptors & the Process of Sensation Thursday Nov 23 Pain Sensations & Proprioception	Tuesday Nov 14 Group A Lab 6: Somatosensory System
Week 13 Lecture: 23 & 24	Monday Nov 27 Sensory Tracts The Special Senses (Hearing) Thursday Nov 30 The Special Senses (Equilibrium) Assignment 2 Due!	
Week 14 Lecture: 25 & 26	Monday Dec 4 The Special Senses (Vision) Thursday Dec 7 The Special Senses (Vision) The Special Senses (Olfaction & Gustatory)	Tuesday Nov 21 Group B Lab 6: Somatosensory System
Week 15	Final Exam Week Dec 11-Dec 19	
		Tuesday Nov 28 Group A Lab 7: Special Senses Tuesday Dec 5 – Group B Lab 7: Special Senses

Students registered with the Centre for Accessible Learning (CAL) who complete quizzes, tests, and exams with academic accommodations have booking procedures and deadlines with CAL where advanced noticed is required. Deadlines scan be reviewed on the [CAL exams page](http://camosun.ca/services/accessible-learning/exams.html). <http://camosun.ca/services/accessible-learning/exams.html>

EVALUATION OF LEARNING

DESCRIPTION	WEIGHTING
Assignment 1 - Brain Condition Paper Due Monday October 16 th @ 11:59pm	20%
Assignment 2 - Case Report Due Thursday November 30 th @ 11:59pm	15%
Midterm Reflection Due Tuesday Nov 2 nd @ 11:59pm Pass/Fail	5%
Written Midterm Week 8	30%
Written Final Final Exam Period	30%
TOTAL	100%

If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. Refer to the [Grade Review and Appeals](http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf) policy for more information. <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf>

COURSE GUIDELINES & EXPECTATIONS

Due Dates: There will be a zero-tolerance in effect for missing due dates. All due dates are clearly listed in the schedule above. Students who might miss a deadline for legitimate reasons are to contact the instructor immediately and in advance of the due date.

Any assignments/quizzes that are submitted past the due date are subjected to a 10% deduction per day to a maximum of 3 days or 30%. After 3 days any submissions will receive a grade of zero.

SCHOOL OR DEPARTMENTAL INFORMATION

Grading System

(If any changes are made to this part, then the Approved Course description must also be changed and sent through the approval process.)

(Mark with "X" in box below to show appropriate approved grading system – see last page of this template.)

Standard Grading System (GPA)

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D		1
0-49	F	Minimum level has not been achieved.	0

STUDENT RESPONSIBILITY

Enrolment at Camosun assumes that the student will become a responsible member of the College community. As such, each student will display a positive work ethic, assist in the preservation of College property, and assume responsibility for their education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting expectations concerning attendance, assignments, deadlines, and appointments.

SUPPORTS AND SERVICES FOR STUDENTS

Camosun College offers a number of services to help you succeed in and out of the classroom. For a detailed overview of the supports and services visit <http://camosun.ca/students/>.

Support Service	Website
Academic Advising	http://camosun.ca/advising
Accessible Learning	http://camosun.ca/accessible-learning
Counselling	http://camosun.ca/counselling
Career Services	http://camosun.ca/coop
Financial Aid and Awards	http://camosun.ca/financialaid
Help Centres (Math/English/Science)	http://camosun.ca/help-centres
Indigenous Student Support	http://camosun.ca/indigenous
International Student Support	http://camosun.ca/international/
Learning Skills	http://camosun.ca/learningskills

Support Service	Website
Library	http://camosun.ca/services/library/
Office of Student Support	http://camosun.ca/oss
Ombudsperson	http://camosun.ca/ombuds
Registration	http://camosun.ca/registration
Technology Support	http://camosun.ca/its
Writing Centre	http://camosun.ca/writing-centre

If you have a mental health concern, please contact Counselling to arrange an appointment as soon as possible. Counselling sessions are available at both campuses during business hours. If you need urgent support after-hours, please contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

Academic Accommodations for Students with Disabilities

The College is committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, depression, learning, etc). If you have a disability, the [Centre for Accessible Learning](#) (CAL) can help you document your needs, and where disability-related barriers to access in your courses exist, create an accommodation plan. By making a plan through CAL, you can ensure you have the appropriate academic accommodations you need without disclosing your diagnosis or condition to course instructors. Please visit the CAL website for contacts and to learn how to get started:

<http://camosun.ca/services/accessible-learning/>

Academic Integrity

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf> for policy regarding academic expectations and details for addressing and resolving matters of academic misconduct.

Academic Progress

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.1.pdf> for further details on how Camosun College monitors students' academic progress and what steps can be taken if a student is at risk of not meeting the College's academic progress standards.

Course Withdrawals Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <http://camosun.ca/learn/fees/#deadlines>.

Grading Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf> for further details about grading.

Grade Review and Appeals

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf> for policy relating to requests for review and appeal of grades.

Mandatory Attendance for First Class Meeting of Each Course

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For more information, please see the “Attendance” section under “Registration Policies and Procedures”

(<http://camosun.ca/learn/calendar/current/procedures.html>) and the Grading Policy at <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf>.

Medical / Compassionate Withdrawals

Students who are incapacitated and unable to complete or succeed in their studies by virtue of serious and demonstrated exceptional circumstances may be eligible for a medical/compassionate withdrawal. Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf> to learn more about the process involved in a medical/compassionate withdrawal.

Sexual Violence and Misconduct

Camosun is committed to creating a campus culture of safety, respect, and consent. Camosun’s Office of Student Support is responsible for offering support to students impacted by sexual violence. Regardless of when or where the sexual violence or misconduct occurred, students can access support at Camosun. The Office of Student Support will make sure students have a safe and private place to talk and will help them understand what supports are available and their options for next steps. The Office of Student Support respects a student’s right to choose what is right for them. For more information see Camosun’s Sexualized Violence and Misconduct Policy: <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.9.pdf> and camosun.ca/sexual-violence. To contact the Office of Student Support: oss@camosun.ca or by phone: 250-370-3046 or 250-3703841

Student Misconduct (Non-Academic)

Camosun College is committed to building the academic competency of all students, seeks to empower students to become agents of their own learning, and promotes academic belonging for everyone. Camosun also expects that all students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Please review Camosun College’s Student Misconduct Policy at <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf> to understand the College’s expectations of academic integrity and student behavioural conduct.

Changes to this Syllabus: Every effort has been made to ensure that information in this syllabus is accurate at the time of publication. The College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.