

I. COURSE DESCRIPTION:

This course introduces students to the organisation of the nervous system. The innervation patterns and the pathways of the nerves and tracts are studied in detail. Recalling the locations of bony structures and muscles of the body are essential to being successful in this course.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

Upon successful completion of this course, the student will demonstrate the ability to:

1. Describe the organisation of the nervous system.

Potential Elements of the Performance:

- a) Differentiate between the CNS and PNS
 - b) Describe the subdivisions of the PNS
 - c) Differentiate between the SNS and the ANS
 - d) Describe the regions of the brain and spinal cord
 - e) Describe the organisation of a typical spinal nerve and its relationship to the CNS
2. Describe the plexuses of the peripheral nervous system.
 3. Describe the pathway travelled by and the branches of each peripheral nerve of the body (spinal and cranial).
 4. Describe the innervation patterns of each nerve of the body.
 5. Name and describe the location and function of the spinal tracts and the regions of the brain and describe the relationship between the tracts and the brain.
 6. Describe the autonomic nervous system.

Potential Elements of the Performance:

- a) Differentiate between the divisions of the ANS
- b) Describe the location and function of the nerves of the ANS
- c) Describe the interactions of the autonomic divisions.
- d) Describe the control of autonomic functioning.
- e) Describe the neurotransmitters and receptors of the ANS.

III. TOPICS:

1. Organization of the Nervous System
2. Anatomy of the Peripheral Nervous System
3. Brain and Spinal Tracts
4. Autonomic Nervous System

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Moore, Keith. (1999). Clinical Oriented Anatomy (4th ed.). Lippincott, Williams & Wilkins.

Kaput, W. and Elson, L. The Anatomy Colouring Book (3rd ed.). Benjamin Cummings.

Marieb, Elaine. (2001). Human Anatomy and Physiology (5th ed.). Benjamin Cummings.

Stedman's Concise Medical Dictionary for the Health Professions (4th ed.). Lippincott, Williams & Wilkins.

V. EVALUATION PROCESS/GRADING SYSTEM:**Evaluation Methods:**

The evaluation methods will be discussed and a written copy will be given to students during the first two weeks of class.

Missed Exams:

Students who miss scheduled exams during the semester will not be allowed to write on another day. If the teacher has been appropriately notified of your legitimate absence (as outlined in the Student Resource Guide), the value of the exam missed will be added to the value of the final exam. If the teacher has not been appropriately notified, a grade of 0 will be given for the missed exam.

Supplemental Exam:

One opportunity for a supplemental exam will be offered to students who meet the following criteria:

- a) have a grade of 50 – 59% in the course
- b) have attended at least 80% of the scheduled class time

The final grade for the semester will be based solely on the supplemental exam. The grade achieved will not be higher than a "C".

The following semester grades will be assigned to students in post-secondary courses:

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 - 100%	4.00
A	80 - 89%	3.75
B	70 - 79%	3.00
C	60 - 69%	2.00
F (Fail)	59% and below	0.00
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field /clinical placement or non-graded subject area.	
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.	
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.	
NR	Grade not reported to Registrar's office.	
W	Student has withdrawn from the course without academic penalty.	

VI. SPECIAL NOTES:

Special Needs:

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Special Needs office so that support services can be arranged for you.

Retention of Course Outlines:

It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other post-secondary institutions.

Plagiarism:

Students should refer to the definition of "academic dishonesty" in *Student Rights and Responsibilities*. Students who engage in "academic dishonesty" will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

Course Outline Amendments:

The professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Substitute course information is available in the Registrar's office.

VII. PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advanced credit in the course should consult the professor. Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

VIII. DIRECT CREDIT TRANSFERS:

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.