

**Written Assignment for Unit One**

- Include your **name, student number, course number, course title and unit number** on *each page* of your written assignment (this is for your protection in case your materials become separated).
- Begin each written assignment by identifying the question number you are answering followed by the actual question itself (in bold type).
- Use a standard essay format for responses to all questions (i.e. an introduction, middle paragraphs and conclusion).
- Responses must be submitted as a MS Word Document only, typed double-spaced, using a standard font (i.e. Times New Roman) and 12 point type size.

Word count is NOT one of the criteria that is used in assigning points to written assignments. However, students who are successful in earning the maximum number of points tend to submit written assignments that fall in the following ranges:

Undergraduate courses: 350 - 500 words or 1 - 2 pages.  
Graduate courses: 500 - 750 words or 2 - 3 pages.  
Doctoral courses: 750 - 1000 words or 4 - 5 pages.

**Plagiarism**

All work must be free of any form of plagiarism. ***Put written answers into your own words.*** Do not simply cut and paste your answers from the Internet and do not copy your answers from the textbook. Be sure to refer to the course Syllabus for more details on plagiarism and proper citation styles.

**Please answer ONE of the following:**

1. Examine the use of animals in research and the ethical issues associated with such use.  
Make an argument a) FOR and b) AGAINST their use.
2. Analyze why the termination step of the neural communication process is a key target for therapeutic drugs.
3. Compare and contrast the anatomy and function of the sympathetic and parasympathetic divisions of the ANS.

**Written Assignment for Unit Two**

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Please answer **ONE** of the following:

1. Analyze how the activity of brain cells is measured using autoradiography.
2. Examine the concept of a receptive field in the visual system and provide an example of this concept for a ganglion cell within the cat retina.
3. Evaluate the transduction process for gustatory signals.

### **Written Assignment for Unit Three**

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#### **Please answer ONE of the following:**

1. Compare and contrast the hormonal basis for sexual maturity in a male and in a female.
2. Examine the role of the right hemisphere in the recognition of emotions. Detail two strategies that have been used to study this topic.
3. Cite evidence from the human and rat literature that suggests that obesity is not merely caused by a weak will.

**Written Assignment for Unit Four**

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**Please answer ONE of the following:**

1. Compare and contrast the symptoms noted in Broca's aphasia and Wernicke's aphasia.
2. Examine the current treatments for Parkinson's disease (PD).
3. Evaluate the monoamine hypothesis of depression and suggest evidence that supports this hypothesis.