- Contact your instructor with your questions about the assignments.
- The student must insure all the answers are free from any malware.
- The student must insure all answers are legal as defined by the class syllabus.
- All parts of your answers must be neat and easy to read.
- Paragraphs are at least four properly constructed English sentences.
- Embedding documents within documents does not work with the D2L Bright Space assignments.
- Plagiarism will not be tolerated.

Lab 06: Program Development and Programming Languages

6.1. Each part is worth four points for a maximum of twenty-five points. Upload each section answer to the D2L Bright Space Assignment section 6.1 before the due date found in the 1110a.pdf document.

6.1.1. Create a spreadsheet to calculate your grade point average for all the classes in your major. Identify each class and assign a letter grade to each class. [4 points]

6.1.2. Create a formula to convert the letter grades to points. [4 points]

6.1.2.1. An "A" is four points, "B" is three points, "C" is two points, "D" is one point and "F" is zero points.

6.1.2.2. Multiply the number of points by the number of credits for the class.

6.1.3. Create a formula to add the number of points and divide by the number of credits. [4 points]

6.1.4. Report the final grade point average numerically and by letter grade. [4 points]

6.1.5. Upload a copy of the spreadsheet in native spreadsheet format. [4 points]

6.1.6. In a paragraph, explain the possibility of your obtaining grade point average shown on your spreadsheet submission. [4 points]

6.1.7. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]

6.2. Each part is worth five points for a maximum of twenty-five points. Upload each section answer to the D2L Bright Space Assignment section 6.2 before the due date found in the 1110a.pdf document.

6.2.1. Create a HTML page with the following information. [12 points]

6.2.1.1. Your name

6.2.1.2. A link to an example of a well-designed web page.

6.2.1.3. A link to an authoritative URL supporting the web page as a good design.

6.2.1.4. A link to an example of a not well-designed web page.

6.2.1.5. A link to an authoritative URL supporting the web page as a not good design.

6.2.2. Upload a copy of your HTML page in native HTML format. [12 points]

6.2.3. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]

6.3. Each part is worth four points for a maximum of twenty-five points. Upload each section answer to the D2L Bright Space Assignment section 6.4 before the due date found in the 1110a.pdf document. The text must be readable by the instructor. Submit a Windows or UNIX text file with the appropriate Windows extension.

6.3.1. Provide your system's IP addresses for your system. [3 points]

6.3.2. Provide your system's successful IPv4 ping of loopback. [3 points]

6.3.3. Provide your system's successful IPv6 ping of loopback. [3 points]

6.3.4. Provide your system's successful IPv4 ping to a IPv4/IPv6 host. [3 points]

6.3.5. Provide your system's successful IPv6 ping to the same IPv4/IPv6 host. [3 points]

6.3.6. Provide your system's successful pathping or traceroute to a host. [3 points]

6.3.7. In a paragraph, based on your tests discuss the similarities and differences between IPv4 and IPv6. [5 points]

6.3.8. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]

6.4. Each part is worth six points for a maximum of twenty-five points. Upload each section answer to the D2L Bright Space Assignment section 4.4 before the due date found in the 1110a.pdf document.

6.4.1. Provide evidence of successfully importing an ical file into a calendar program. The text must be readable by the instructor. Submit a Portable Document Format (PDF) or word processing file containing your answers. [8 points]

6.4.2. Provide an ical export file listing at least one event during the current semester. [8 points]

6.4.2.1. The events must occur during the current semester.

6.4.2.2. Each event must include your name.

6.4.2.3.   This answer must be in ical file format.

6.4.3. Submit a Windows or UNIX text file with the appropriate Windows extension. [8 points]

6.4.4. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]