

CH365 Chemical Engineering Thermodynamics

Capstone Project IPR1, Due 6 October 2021

IPR1 Worksheet

Complete each of these sentences by filling in the blank:

- CHEMCAD Cp are found in _____.
- The exact properties to include in my summary table are _____.
- My table should have _____ rows and _____ columns.

Checklist for IPR1:

_____ Ideal enthalpy change calculation is complete.

_____ Ideal entropy change calculation is complete.

_____ Mathematica calculations are tidy and easy to follow.

_____ Skeleton table is complete.

_____ Skeleton table is formatted using professional font and spacing standards.

_____ Skeleton table has a caption.

IPR1 Format and Submission Requirements for the Capstone Project in CH365 Chemical Engineering Thermodynamics

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Abstract

The purpose of this guidance is to explain to cadets how to construct an abstract. The abstract in this case summarizes the work that cadets have done to date on their capstone projects. They were first asked to identify the primary task of this project. They were then asked to identify the parts of the project that have been completed to date, the method used to obtain the result and the value of the results. If possible, cadets should also identify sources of error in the calculations and literature values for comparison to their results. The cadets were then asked to assemble this information into a single paragraph in the exact format shown here. Finally, cadets must submit their abstract, with a cover sheet (total of two pages), by 5 October 2018.

The point value for this assignment is 30 points. This point value was determined by your instructor based on the parts of the assignment that he believes should be completed by now. That is, 30 of the 300 points for the assignment are based on concepts we have already covered in this class or in other classes and should therefore be completed by now. Grading will be based on the technical merit of the results and ability to communicate in a clear and precise manner. The abstract paragraph must be no more than 500 words from the word count in Microsoft Word. If this limit is exceeded, only the first 500 words will be graded. The word document must be uploaded to the SharePoint site by close of business on the date indicated. Please direct any questions to your instructor.