CS 422 Software Engineering Principles **Name: _____**

Homework 4 (Due 11/10/99) **Student ID:_____**

Team number:_____

These questions relate to the Software Design Methods: Life Belt or Leg Iron? article (by David Budgen) that was handed out in class. *Please* hand up to a maximum of two pages of typewritten answers according to the format defined in the homework instructions.

1. [30pts] Describe some of the issues involved in developing a design process?

2. [40pts] The article mentions procedural design and object-oriented design as two methods of decomposing a problem into software: (a) Describe the basic differences between these methods, and (b) Describe the strengths and weaknesses of each method.

3. [30pts] Besides procedural design and OO design, the article describes other methods which could be used to learn about the design process. Briefly summarize these tools in your own words.

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