

Feasibility Analysis and the Software Lifecycle

- 1) Think of ways in which the university could improve its student registration process. For example, can students register from anywhere? How long does it currently take to register? Are the directions simple to follow? Is online help available?
 - a) How could technology support your ideas?
 - b) Create a system request that you could give to the university administration that explains the sponsor, the business need, the business requirements and potential value of the project. Include any constraints or issues that should be considered.
 - c) List and describe three factors that influence the technical feasibility of this system.
 - d) List and describe three factors that influence the economic feasibility of this system.
 - e) List and describe three factors that influence the organisational feasibility of this system.

- 2) What are the main reasons for the shift from the structured approach to the object-oriented approach to software development?

- 3) Explain the relationship between the business analysis phase and the system design phase.

- 4) To which aspects of a software project do metrics apply? Provide two examples of specific metrics and, for each example, describe what can be measured and what the measurements may indicate for the software project. How are project planning and software metrics related?