

Project Planning, Control and Analysis – BN4010

Coursework Assignment

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Hand-out date: **5th October 2016**

Report Submission: **30th November & 14th December 2016** (on TurnItIn)

Feedback: **13th January 2016**

Learning Outcome(s) assessed

1. Develop detailed project schedules cognisant of procedural logic, dependencies, external constraints and resource implications;
2. Apply advanced planning, control and analysis methodologies, tools and techniques to complex projects;
3. Understand and apply advanced concepts of modelling and simulation in order to predict outcomes of project schedules;
4. Critically evaluate planning, contract and analysis techniques to select defensible solutions for the mitigation of project overruns

Assignment Brief

The assessment this year is in two assignment parts. The first assignment has a weighing of 60% and assignment 2 a weighing of 40%.

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School of Engineering

ASSIGNMENT 1 BRIEF

Module Title and code: Project Planning, control and analysis – BN4010

Assignment Title: Assignment 1 – Specific Life Style Programme

The aim of this assignment is to develop your planning and analytical skills in the context of a complex project orientated environment.

Outline of Task:

You are required to develop a defensible project that will be implemented within a new **Life Style Centre (LSC)**. This project is situated in a village of 12,000 inhabitants. The LSC is situated on an area that was acquired from the Lancashire Council of dimensions 150 metres by 70 metres. LSC involves the following physical spaces:

- New village library facility/Learning information support
- Multi-faith centre
- Gymnasium
- Crèche/Mums & Toddlers
- Multipurpose functional spaces
- Car parking facilities

Your defensible project will be in any area that can be addressed within the **LSC** facilities, (e.g. IT, security, building, interior design, social mobility, Alcohol anonymous (AA), Ramblers club, Photographic society project, Historic Lancashire, Silver surfers, and Cafeteria). Your area of focus should be clearly stated at the start of the assignment.

The submission must include a project schedule of at least 40 activities and clearly identify the logic of activity sequencing and relationships between the activities. For any simulated project chosen, the minimum completion time of the project should be **six calendar** months.

All dependencies, constraints and resources are to be included. This report will contribute to **60%** of the final assessment of this module.

The assignment is as follows:

Section 1: A detailed project schedule applying procedural logic, and clearly showing dependencies, constraints and resource implications. Provide a list of all assumptions you have made in constructing the schedule.

[50 Marks]

Section 2: Using the schedule developed in section 1, set the Baseline of the project, and track the progress of project using 25% of project completion for your simulated project. Produce an *Earned Value* tabulated report that presents values for the following:

- Budget at completion (BAC)
- Actual costs (ACWP)
- Planned Value (BCWS)
- Earned Value (BCWP)
- Schedule variance
- Cost variance

[20 Marks]

Section 3: Give a reflective report on the exercise you have just completed in sections 1 & 2. Also provide a list of references you have used in developing your submission. Harvard system of references is the preferred option within the University of Central Lancashire.

[30 Marks]

Criteria	Mark in %
Section 1	50
Section 2	20
Section 3	30
Total	100%

Chronology:

Date sent: 5 th October 2016
Submission date: 30 th November 2016
Return date: 13 th January 2017



ASSIGNMENT 2 BRIEF

Assignment Title: Assignment 2 – Evaluation of Project Management Methodologies

Outline of Task:

Critically evaluate any two of the project management methodologies given below for use on project planning, control and analysis within your industry. Defend which one of the two methodologies evaluated will be the most suitable for delivering your simulated project in Assignment 1.

- a. PRINCE 2
- b. The PMI Methodology
- c. The Agile approach

Criteria	Mark in %
Introduction	10
Content	60
Context	20
Conclusion	10
Total	100%

Chronology:

Date sent: WC 5 th October 2016
Submission date: 14 th December 2016
Return date: 13 th January 2017

References:

Online Reading List – [Blackboard](#)

Guidance on Submission:

All assignments should be submitted to Blackboard **TURNITIN** with the referencing style of the **HARVARD** system.

