

UNIVERSITY OF TECHNOLOGY, JAMAICA

SYLLABUS OUTLINE

FACULTY:	Built Environment
SCHOOL:	Building & Land Management
COURSE OF STUDY:	BSc Surveying & Geographic Information Sciences
YEAR:	FOUR
MODULE TITLE:	Professional Practice (Co-operative Education)
MODULE CODE:	SGIS 4017
DURATION (HOURS):	104
CREDIT VALUE:	1
PREREQUISITE:	None

1.0 MODULE DESCRIPTION

Students must complete 104 hours of approved professional practice prior to the module SGI4019. The practical is to be taken during the 3rd year vacation periods. Students are required to provide evidence of this practice in a special log-book (available from the school). A detailed report must be submitted and an oral presentation in the form of a seminar summarizing the work done and the experience gained during the professional practice period.

Rationale:

The work experience programme is based not only on classroom confinement but also involves hands-on experience. The programme responds to the needs of the surveying industry. The division of Land Surveying and Geographic Information Sciences (LSGIS) recognizes that industry experience is an integral link that validates and reinforces classroom learning. To ensure maximum outcome, there must be a selection of appropriate, job sites and development of measurable learning objectives to be achieved during the training period by the student.

2.0 MODULE OBJECTIVE/S (GENERAL OBJECTIVES)

- (a) To assist in the development of the students' technical and interpersonal skills by providing them with the opportunity to work in their specialized field.
- (b) To work cooperatively with the Surveying and SGIS industry to provide a viable, economic and productive contribution to the company representative thus providing student placements.
- (c) To ensure company representatives to assess potential graduates
- (d) To enable students work readiness and employability skills required for professional development
- (e) To assist students in establishing or confirming their career choices
- (f) To expose students to a mix of cultures both small and large organizations locally as well as internationally

3.0 MODULE CONTENT AND CONTEXT

MODULE 1 – Cadastral Surveying (32 hours)

<i>Research plans affecting an assigned survey at the Office of Tiles, The Island Records Office, & The Surveying & Mapping Division</i>
<i>Finding old boundary marks on ground – identification of trees, old stumps, cairns of stones, old hardwood posts</i>
<i>Orientation of survey to True north obtained before astronomical observation</i>
<i>Re-open surveyed boundary lines from recent surveys and re-place boundary marks if missing</i>
<i>Report to surveyor any discrepancy between information on plan and information or marks on earth</i>
<i>Observe and be involved in the resolution process for any boundary dispute</i>
<i>Do the requisite computations related to producing a boundary plan meeting the requirements of LS Regulations</i>

MODULE 2 – Sub-division Surveys (16 hours)

<i>Carryout a survey to indicate occupancy and existing roads etc. Under the guidance of the surveyor, to design a sub-division of the land taking into consideration the interests of tenants and the interest of the local authority which its to five approval for the sub-division</i>
<i>Set out on ground the sub-division as drawn on plan and survey same in accordance with the LS Act and Regulations and prepare plan</i>

MODULE 3 – Engineering Surveys (28 hours)

<i>Profile (500 m – 1000 m of route)</i>
<i>Cross Sectioning (200 to 400 x-sections)</i>
<i>Building Setting out</i>
<i>Computation of data and drawing of profiles and/or cross sections</i>
<i>Drainage Setting out</i>
<i>Pegging out road</i>

MODULE 4 – Topographical Surveys (28 hours)

<i>Sites with terrain variations 0 – 2m</i>
<i>Sites with terrain variations > 2 m – 5 m</i>
<i>Sites with terrain variations > 5 m</i>
<i>Computation of field data and drawing topographical plan</i>

4.0 LEARNING AND TEACHING APPROACHES

This module is practical in nature and is conducted in a structured supervised industry setting.

5.0 ASSESSMENT PROCEDURES

Industry 100%

6.0 BREAKDOWN OF HOURS

Students must complete a minimum of eight (8) hours per week for a total of thirteen (13) weeks.

7.0 TEXTBOOK AND REFERENCES

Gardner, Marjorie, Work Experience Manual for Students: School of Hospitality and Tourism management (December 2000) University of Technology, Jamaica

8.0 NAME OF SYLLABUS WRITER/DEVELOPER

Adopted from the School of Hospitality and Tourism Management (Marjorie Gardener)

9.0 DATE OF PRESENTATION OR REVISION

February 2007

10.0 DATE OF ACCEPTANCE

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Programme Director

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Director
Office of Curriculum Development
and Evaluation