



Strathmore

UNIVERSITY

School of Computing and Engineering Sciences

Course Outline

BBT 2204: IS Project 1

Lecturer: Esther N. Khakata (PhD)

Email: egathenya@strathmore.edu

Module Leader: David Zivai Masaka

Semester Dates: 20th September – 20th December 2022

Contact Hours	45
Pre-requisite	Introduction to Programming Data Structures and Algorithms Object oriented Programming I & II Database Systems Web Application Development
Aim	To solve an information technology related problem that has relevant application to the immediate society or environment.
Objectives (Intended Learning Outcomes)	At the end of the course, the students should be able to: <ul style="list-style-type: none">• Design and implement a technical information technology/business information technology project using the concepts learnt stage 1.• Document the experience gained in the project lifecycle.• Present the results of the project to a panel of examiners.
Content	<ul style="list-style-type: none">• This is a project in which the candidate develops a software system or a hardware implementation, using the techniques introduced in the courses already undertaken.• Each project will be supervised by a member of the teaching staff and will run in one semester.• Students will be expected to attend a series of seminars on contemporary issues and problems.• They will also be expected to give oral presentations of their projects within a semester so as to demonstrate their progress in the project.• The deliverables are the developed information system and its related documentation.

	<ul style="list-style-type: none"> The key items to be checked include key programming, database systems, systems analysis and elements of web-interface design which can sum up all the techniques acquired during Stage I.
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Dates	Content	Deliverables	Activities
1. Week 1 (20th September)	<ul style="list-style-type: none"> Idea brainstorming and conceptualization Supervisor allocation 	<ul style="list-style-type: none"> Project idea 	<ul style="list-style-type: none"> Open discussion
2. Week 2 & 3 (26th September & 3rd October)	<ul style="list-style-type: none"> Project idea (refined) Concept examination Supervisor Engagement 	<ul style="list-style-type: none"> Concept paper Presentations 	<ul style="list-style-type: none"> Progress check Discussions Presentations Supervisor Engagement
3. Week 3 (10th October)	<ul style="list-style-type: none"> Understanding, reading more and familiarising self with contents of proposal 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none">
4. Week 4 (17th October)	<ul style="list-style-type: none"> Drafting Proposal 	<ul style="list-style-type: none"> Draft proposal document 	<ul style="list-style-type: none"> Progress check Discussions Presentations Supervision check
5. Week 5 & 6 (24th & 31st October)	<ul style="list-style-type: none"> Hand in Proposal (24th October) User requirement System Analysis and Design 	<ul style="list-style-type: none"> Final proposal document Draft document (Chapter 1-4) 	<ul style="list-style-type: none"> Progress check Discussions Presentations Supervision check
6. Week 7 (7th November)	<ul style="list-style-type: none"> System Implementation, Testing, Discussions – Progress Presentations 	<ul style="list-style-type: none"> Draft document (Chapter 1-4) Application prototype 	<ul style="list-style-type: none"> Progress check Discussions Presentations Supervision check
7. Week 8, 9 & 10 (14th, 21st & 28th November)	<ul style="list-style-type: none"> System Implementation, Testing, Discussions – Progress Presentations 	<ul style="list-style-type: none"> Draft document (Chapter 5, 6 and Appendices) Application prototype 	<ul style="list-style-type: none"> Progress check Discussions Presentations Supervision check
8. Week 11 (5th December)	<ul style="list-style-type: none"> Mock Defenses 	<ul style="list-style-type: none"> Mock Defenses 	<ul style="list-style-type: none"> Progress check Discussions Presentations Supervision check
9. Week 12 & 13 (12th & 19th)	<ul style="list-style-type: none"> Final presentations 	<ul style="list-style-type: none"> Final presentations 	<ul style="list-style-type: none"> Final presentations

Course Delivery Methodology

1. Lectures will be used to introduce and discuss various guidelines that will help with the project. Guidelines will be uploaded on E learning.
2. Seminars and Tutorials
3. Consultations with the supervisors
4. Instructional Materials and/or Equipment
5. Audio visual equipment, chalkboard, computer simulation software, computer programming tools

Academic Assessment

Type	Weighting (%)
Concept presentation	5
Proposal Marks	20
Progress Presentations	10
Final Oral Presentations	20
Final Documentation Marks	45
Total	100 %

Course Reference Materials

- i. There is no primary text, but various software manuals, research papers and previous project reports, as well as relevant textbooks will be used.
- ii. A range of hardware and software appropriate to the chosen topics; Full use of the University Library, including the Inter-Library Loan facility and all available electronic resources

Classes

1. **Punctuality** is fundamental.
2. Active participation in class discussions is encouraged.

Assignments and/or Course Work

1. **Plagiarism** is a serious offence. If detected in any form in course work and assignments, the following will apply:
 - a. In partial or non-serious cases (such as not citing whole word-for-word quotes), half the total possible marks of the document are duly struck off.
 - b. In serious cases (such as whole duplication of a document), a zero policy will apply i.e., all offending documents will be awarded a mark of zero.

Note: The level of seriousness referred to above is at the discretion of the Projects Coordinator. Appeals are certainly possible through the relevant channels.
2. Notwithstanding the above, **collaboration** in project work is certainly encouraged as this promotes team spirit and synergy in learning as long provided originality is preserved.
3. APA style is the recommended referencing style.

Communication Channels

- *E-mail*
- *Module Leader*
- *Course E-learning site*