# Course Plan

**BBT 2204: IT/CS Project 1**

<table>
<thead>
<tr>
<th>Lecturer:</th>
<th>TBA</th>
<th>(Contact Dr. Shibwabo <a href="#">see here</a>)</th>
<th>Module Leader:</th>
<th>TBA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office:</td>
<td>TBA</td>
<td></td>
<td>Website:</td>
<td><a href="http://www.strathmore.edu/sces">http://www.strathmore.edu/sces</a></td>
</tr>
<tr>
<td>Email:</td>
<td>TBA</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Office Hours:** Monday to Friday

## Aim:
The aim of the course requires students to carry out original works that applies the theoretical and practical knowledge in information technology and business.

## Course Learning Outcomes:
At the end of this course, the student will be able to:

1. Investigate current challenges facing the society through stakeholder engagement
2. Systematically break down a business problem into solvable parts
3. Develop a solution to that problem based on knowledge acquired so far in the course and any other relevant knowledge acquired through research
4. Demonstrate the practicality of the proposed solution
5. Communicate clearly and effectively with teammates and stakeholders

## Contact (In class) Hours: 45

## Prerequisite:
All units covered so far including communication skills, entrepreneurship and innovation, programming, mobile/web applications development, databases, computer networks & security, sustainability, marketing and project management.

## Content:
This is a project which will run over a duration equivalent to one semester. Students will be expected to attend a series of seminars on contemporary issues of concern to the society.
Each student shall work as part of a team to develop a solution to a practical societal challenge. The problems will be drawn from a wide variety of applications. The problem will be defined in collaboration with the society including, industry partners or, where these are unavailable, by the lecturer, and assigned to teams of students. Throughout the semester, the students will identify and interact with stakeholders, define challenges, define clear problems based on the challenges, break down the problem into its constitutive parts, analyse it and come up with a solution that takes into account all relevant parameters through a series of tests and prototyping tasks.

Milestones shall be centered around: Challenge definition, Proposal writing (Chapter 1, 2, and 3), Systems analysis and Design, Panel Presentations (At least two concurrent examiners), Project Progress Reporting, Prototype Presentations, Project documentation (expected to be done continuously and submitted during the final class session). The deliverables are the refined/developed version of the prototype and its related documentation.

<table>
<thead>
<tr>
<th>Date/Week</th>
<th>Topic</th>
<th>Activities (Homework)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4th April 2023</td>
<td>(i) Introduction: overview of the course including participants and expectations (group contracts), Themes and challenges. (ii) Methodology Review</td>
<td>i. Form Teams&lt;br&gt;ii. Select Challenges&lt;br&gt;iii. First Project Team Meeting&lt;br&gt;iv. Stakeholders identification.&lt;br&gt;v. Formulate Plan of Work&lt;br&gt;vi. Define draft questions for stakeholders</td>
</tr>
<tr>
<td>11th April 2023</td>
<td>(i) Methodology Cont. (ii) Discussion/presentation of questions to be administered to stakeholders. (iii) Concept Writing {Chapter 1 and Chapter 2} (iv) SDG’s – Sustainability.</td>
<td>i. Submission of Plan of Work&lt;br&gt;ii. Write Chapter 1 and Chapter 2 of your concept</td>
</tr>
<tr>
<td>18th April 2023</td>
<td>Concept Writing {Chapter 3 and APA/IEEE, review and samples}</td>
<td>i. Complete the Concept Paper&lt;br&gt;ii. Stakeholders engagement&lt;br&gt;iii. Finalize on Empathy&lt;br&gt;iv. Submission of Empathy Outputs&lt;br&gt;v. Define the problem</td>
</tr>
<tr>
<td>25th April 2023 (Holiday)</td>
<td>Stakeholder feedback review Problem Definition</td>
<td>i. Submission of Empathy Outputs&lt;br&gt;ii. Stakeholders engagement&lt;br&gt;iii. Define the problem</td>
</tr>
</tbody>
</table>
## Course Delivery Methodology

1. Lectures/Tutorials/ Presentations/ Discussion Groups: 45 hours
2. Directed Learning/Private Study/ Research: 220 hours

## Academic Assessment

<table>
<thead>
<tr>
<th>Type</th>
<th>Weighting (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empathy outputs</td>
<td>20</td>
</tr>
<tr>
<td>Concept (Define)</td>
<td>20</td>
</tr>
<tr>
<td>Progress Presentation (Some Ideate outputs &amp; Prototype(s) should be ready.)</td>
<td>20</td>
</tr>
<tr>
<td>Final Solution/Prototype</td>
<td>20</td>
</tr>
<tr>
<td>Documentation</td>
<td>20</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100 %</strong></td>
</tr>
</tbody>
</table>
Course Reference Materials

Books

Core Text

1) Bootcamp bootleg: An active toolkit to support your design thinking practice
   https://static1.squarespace.com/static/57c6b79629687fde090a0fdd/t/58890239db29d6c6c3338f7/1485374014340/METHODCARDS-v3-slim.pdf

   http://eprints.stiperdharma.ac.id/189/1/ResearchMethodsForBusinessStudents_Saunders.pdf

Recommended Additional Reading/Support Materials

TBA

Websites

The course online resources and other materials will be available via the Strathmore University E-
Learning System SUES (Direct link: https://elearning.strathmore.edu/course/view.php?id=5942)

If you want to ask course specific questions, please use the e-learning platform, so that the answers
that I post in response would also help your colleagues.

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 assignment are duly struck off.
   b. In serious cases (such as whole duplication of a paper), a zero policy will apply i.e.,
      all offending assignments will be awarded a mark of zero.

   Note: The level of seriousness referred to above is at the discretion of the
   lecturer. Appeals are certainly possible through the relevant channels

2. Notwithstanding the above, collaboration in course work is certainly encouraged as this
   promotes team spirit and group synergy as long provided originality is preserved.
Communication Channels

- E-mail
- Module Leader
- Strathmore University E-learning System (Massages, Forum)