Innovative Teaching and Learning Tools for Foundation in Engineering Education

Christopher M. K. Chew & F. L. Ooi
Analysis of System Dynamics Inputs (Seborg chapter 5)

By
Marwan M. Shamel
CHAPTER 2
Introduction to Ecology

2.1 An Ecological View
2.2 The Biology of Place: Biomes and Landscapes
2.3 A Guided Tour of a Dynamic Landscape: Gorongosa
2.4 Review
2.5 Project-Based Learning: Ecological Surveys
Taylor’s Graduate Capabilities

- **Discipline Specific Knowledge**: Able to put theories into practice, Understand ethical issues in the context of the field of study, Understand professional practice within the field of study.

- **Lifelong Learning**: Learn independently, Locate, extract synthesise and utilise information effectively, Be intellectually engaged.

- **Thinking and Problem Solving Skills**: Think critically and creatively, Define and analyse problems to arrive at effective solutions.

- **Communication Skills**: Communicate appropriately in various settings and modes.

- **Interpersonal Skills**: Understand team dynamics and mobilise the power of teams, Understand and assume leadership.

- **Intrapersonal Skills**: Manage oneself and be self-reliant, Reflect on one’s actions and learning.

- **Citizenship and Global Perspectives**: Be aware of and form opinions from diverse perspectives, Understand the value of civic responsibility and community engagement.

- **Digital Literacy**: Effective use of ICT and related technologies, Embody Taylor’s core values.
Technology

MOOC
iBook

CDIO
Project-based

FIE

XLP
Uncovering Potential
Thank you!

Christopher - christophercmk@gmail.com
Mike - mic3060@gmail.com