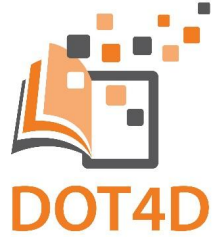




Centre for  
Innovation in  
Learning and  
Teaching



# UCT Open Textbook Conversation

2 August 2019



# Setting the stage: Imperatives for open textbook production at UCT

**“The cost is a huge burden to students at UCT”**

“Content is designed for school-leavers in North America/Europe”

**“Historical narratives and technological developments in the Global South deserve to be made more visible and accessible”**

“Dominance of European and North American examples means that students are led to believe that local instances have less value”

**“Learning the subject for the first time at university is challenging, as it is quite different to what is taught at school. Students who have English as 2nd or 3rd language face a further disadvantage”**

“Textbooks are poor value. Most of the time modules or courses do not use all the content provided”

**“There is a skew towards irrelevance as the field is constantly evolving and aspects of textbook are out of date”**

“Students have limited contact time in formal study to acquire the skills and knowledge required in the field”

**“Students lose access to learning materials when they leave university and there is a gap in terms of continuous learning”**

“Current resources are not designed along a pedagogical philosophy of inclusiveness”

**“There is no textbook in this emerging field and students expected to read journal articles and conference papers”**

“There is no single textbook that covers course material comprehensively in an integrated manner with sufficient technical detail”

**“Students come to UCT with varying levels of education and degrees of understanding, along with wide range of languages”**

“The way lecturers explain concepts is often not relatable to the student, who is often at least a generation younger”

**“The current textbook does not integrate different aspects of South African students’ everyday life/culture”**

“When models are applied to the African setting, there are a number of additional nuances that need to be considered”

**“We work with the only resource of its kind in Africa, which is in need of a new edition with more applicable examples”**

“There is a need for a cross-cutting, interdisciplinary resource that trains students in an integrated way”

# Curriculum transformation, student participation and quality assurance

“Project addresses lack of inclusion of students in materials development and curriculum design.”

“The project addresses the barriers presented by language”

“Transformation will be achieved through allowing students to build on an existing scientific framework used within the course, adding their own explanations which are relevant to their backgrounds and current times”

“Student authoring of the resource will be in the form of ideas, understandings, students' explanations of concepts and comments shared”

“Chapters will be written in collaboration with medical students and accompanied by a collection of videos produced by students which will be used by peers for augmented visual learning. The videos produced by students will also be peer reviewed by subject specialists”

“Several modes of student contribution are proposed, including writing and refinement of supporting material”

“Quality assurance will be conducted by the author through the use of a survey given to students after the first prototype implementation in the first semester”

“Students will be engaged with the translations”

“Coursework projects from the students in first and second year will be edited and featured in the textbook”

# **Sustainability of open textbook production models: What are the main institutional challenges?**

**“It is not something you can do for free, even though you are creating free resources.”**

**“Cost is a barrier to the spread of knowledge. At every step of transferring it, there is a payment to be made.”**

**“I am about to apply for a promotion and I am well aware that a textbook will not count that much.”**

**“Factors that might hinder the university include lack of interest across the university and proper support.”**

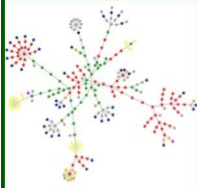
**“I had a resistance to being a normal academic in that research isn’t really my favourite pastime, but in the last few years I have engaged with research and I have come to love it, but I am really more of a teacher and more student-focused, so my research also became student focused.”**

# Authoring tools and publishing platforms



**Scribus**  
*Open Source Desktop Publishing*





# An Introduction to Ontology Engineering

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Research

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Publications

Software, data sets, ontologies

Other topics

== A textbook ==

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## Overview

This first general textbook **An introduction to ontology engineering** has as main aim to provide the reader with a comprehensive introductory overview of ontology engineering. A secondary aim is to provide hands-on experience in ontology development that illustrate the theory.

The book is divided into three blocks:

- *Block I: logic foundations* for ontologies both regarding the languages (mainly First Order predicate Logic, Description Logics, and OWL) and automated reasoning.
- *Block II: developing good ontologies* with methods and methodologies, the top-down approach with foundational ontologies, and the bottom-up approach to extract as much useful content as



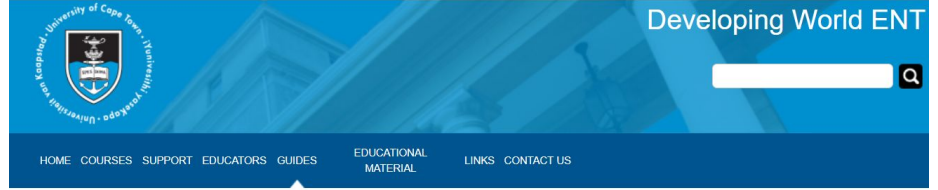
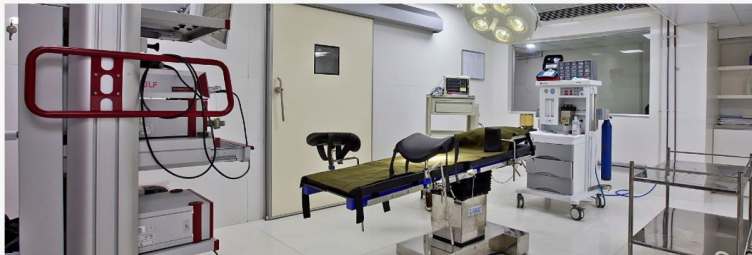
## The University of Cape Town General Surgery Textbook for Undergraduates

Introduction

Textbook

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Image references



Developing World ENT

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## Guides

### Open Access Atlas of Otolaryngology, Head & Neck Operative Surgery

- Clinical Practice Guidelines for Head & Neck Cancers [+]
- Head & Neck [+]
- Otology [+]
- Paediatric Otolaryngology [+]
- Rhinology [+]
- Reconstructive Surgery [+]

This is a free operative surgery text, and is intended particularly for those surgeons in the developing world who are unable to afford textbooks.

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## Preface to College Physics for PHY1032 at UCT

Derived from Preface by OpenStax

Books

his page is in this book:

- **College Physics for PHY1032 at UCT**
  - **Authors:** Sahal Yacoob
  - **Revised:** Jul 27, 2018
  - **Go to book**

This textbook was derived from sections of *College Physics*, an Open Town First year Physics Course General Physics B. The original pre

### About *College Physics* for PHY1032 at UCT

Coverage and Scope

This collection includes the following sections:



## Procedures in obstetrics and gynaecology

<http://hdl.handle.net/11427/4146>

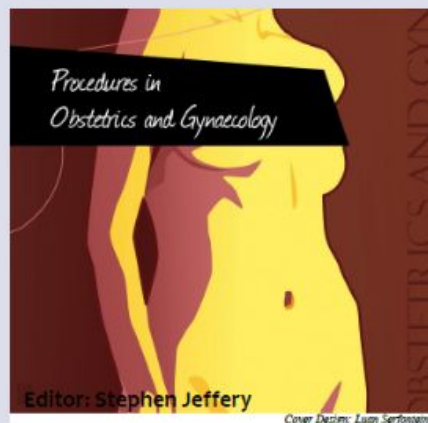
[Open Education Resources](#) > [Teaching and Learning](#)

### Abstract:

Book providing practical approach to broad range of procedures in obstetrics and gynaecology. Textbook relevant to fourth through six year medical students.

### Reference:

Jeffery, S. 2010. Procedures in obstetrics and gynaecology. Textbook. University of Cape Town.



[Jeffery, Stephen](#)

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### Biomedical Engineering for Africa

T.S. Douglas, A.O. Coker, D.W. Gatchell, M.R. Glucksberg, R.L. Murphy, A.A. Osuntoki, K. Palamountain

July 29, 2019



### Conference Proceedings of Adaptation Futures 2018

The Conference Proceedings are the product of the 2018 Adaptation Futures conference that was held in Cape Town from 18 – 21 June, 2018.

February 26, 2019



### Building Strong LIS Education: A Call to Global and Local Action – An IFLA BSLISE Working Group White Paper

IFLA BSLISE Working Group

August 29, 2018



### Atlas of Paediatric HIV Infection

Regina E. Oladokun, Rannakoe J. Lehloenyia; Carol Hlela

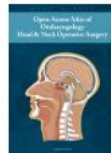
April 23, 2018



### LIS professional competency index for the higher education sector in South Africa

Jaya Raju

May 12, 2017



### Open Access Atlas of Otolaryngology, Head and Neck Operative Surgery: Volume 1 - Head and Neck

Johan Fagan, Prof

March 17, 2017