Institute of Educational and Management Technologies

Enhancing Teaching and Learning
Introduction

- Institute of Educational and Management Technologies (IEMT) is among the 2 Institutes at OUT
- Using technologies as an enabler in implementing OUT Strategic Objectives/Supporting teaching, research & Consultancy/Community Services
- Guided by ICT Policy, ICT Master plan which are aligned with Strategic Objectives as stipulated in Rolling Strategic Plan (RSP)
IEMT Functions/Services

IEMT Three Main Functions to Date

- Supporting ICT services at the University
- Conducting research in relation to ICT services at the University
- Carrying out ICT related training and consultancies to the community & general public

"Educate, Innovate & Support"
IEMT Structure/Staff

IEMT Staff is about 80 (Permanent & Contract) – Technical Staff, Instructors & Administrative staff
OUT RSP Objectives

Responsible for Using ICT as Enabler to Implement

- Improved Legal Framework, Governance, and Organisational Structure
- Strengthened Regional Centres
- **Enhanced Teaching and Learning**
  - Improved Admission Process, Procedures and Student Enrolment Expansion
  - Enhanced Directorate of Examinations Syndicate (DES)
  - Enhanced Research, Consultancy and Publications Capacity
  - Improved Information and Communication Technology (ICT) Infrastructure and Services
- Enhanced Human Resources Management
- Improved Library Capacity and Services
- Improved Gender Balance and Mainstreaming
- Improved Infrastructure and Facilities
- Improved Handling of Student Affairs
Enhancing Teaching and Learning

✓ Use of ICT to enhance Teaching and learning
✓ Capacitate learners and Instructors with adequate knowledge to access learning resources through ICT
✓ Conduct awareness campaign to learners and instructors on OER and other educational resources
Welcome to the OUT Learning Management System

The OUT Learning Management System (OUTLeMS) platform enables access to the various courses offered by The Open University of Tanzania (OUT). Registered students will gain access to the study materials and other relevant course content. OUTLeMS also facilitates communications between students and their respective teachers.

Course categories

- Faculty of Science Technology and Environmental Studies (2)
- Institute of Continuing Education (1)

There is also Moodle mobile for easy access from our Smartphones/Tablets.
Interactive Offline Learning Material to Support teaching and learning

- These material compliment online resources and we provide to all students in CDs
- Can be used at the user’s own time and place in periods of low/no connectivity
What has been done at OUT to Date in Terms of OER?

- Access to OERs
- Staff OER Capacity building
- Research on OER at OUT
- Institutional OER policy formulation
- OER digital fluency for staff
- Conversion of ODL courses into OER
- Supporting infrastructure & services for academic community
OER Access

- The link to OER resources have been put in OUT website
- The AVU courseware DVD contents extracted from [http://oer.avu.org/](http://oer.avu.org/) have been put in OUT Learning Management System users to access.
Access: OER resources

CDs with a short course on Understanding OER have been distributed to at least 60 academic staff.

Open Education Resources (OER):
Integration in Practice

A warm welcome to all COL OER workshop participants!

**Description:** Open Educational Resources (OERs) are teaching and learning materials that are offered freely and are openly available online for access and use by educators and learners, without an accompanying need to pay royalties or license fees. OERs are free for use under a variety of Creative Commons Licenses. We need to know how to find relevant OERs, review them, adapt them (if the license permits), and what the process is for producing and making available our own OERs.

**Outcomes**
On completion of this workshop it is intended that you as a participant will have:

- refreshed your memory of what constitutes an OER;
- developed or consolidated your understanding of the importance of OERs in the higher education context;
- deepened your understanding of issues surrounding the deployment of OERs both at a personal and institutional level, and
- further developed strategies to prepare your online courses for publication, taking cognisance of Open Education Resource (OER) licensing issues.

**Facilitator:** Brenda Mallinson, on behalf of COL

**Workshop Schedule:** Please view the OER Workshop 3-Day Programme to see the planned activities.

General news and announcements

COL OUT OER Workshop Programme 136.5KB Word document

Staff are also given access to OER Sensitization Course which is uploaded on MOODLE LMS
OER Access Cont’d…

Directives to students through CD

If you are connected to the internet, you can click Here to view the directives on how to find other sources of materials from OUT website or you can click on the following links.

**MIT COURSEWARE 1**

**MIT COURSEWARE 2**

In case you find any technical problem with accessing the contents of this CD kindly email to: info.elms@out.ac.tz

Student /Staff Access

MIT, AVU Courseware etc
IEMT has received collaboration and support on OER initiatives from OER Africa through SAIDE and UNESCO COL which have sensitized OUT staff on OER
Capacity Building 29 Academic staff capacitated in OER

2014

Workshop 1: Seven (7) Participants

2015

Workshop 1: Seven (7) Participants

Workshop 2: Eight (8) Participants

2016

Workshop 1: Twenty four (24) Participants
Open Educational Resources Initiative at The Open University of Tanzania: Challenges and Lessons - Nihuka, K. A., Mbwette, T. S., & Kihwelo, P. F. - 2014

Accessibility of Open Educational Resources for Distance Education Learners: The Case of the Open University of Tanzania - Samzugi, A.S., & Mwinyimbegu, C.S. - 2014

OUT – OER Research- Conference papers

DETA conference (2015, Mauritius)
- Towards OER Integration for Professional Development of Lecturers at OUT

OE Global 2016 (2016, Poland)
- Early Experiences of the Course Conversion to OER Process at Open University of Tanzania

NADECSA conference
- Experiences of implementing MOODLE Plugin Report Feature for determining the Online Course Development Status at Open University of Tanzania
OPEN UNIVERSITY OF TANZANIA POLICY ON OPEN EDUCATIONAL RESOURCES (OER)

APPROVED BY COUNCIL ON DATE
REVIEW DATE

3. Overview of the Policy
The following sections identify the specific policy issues and procedural guidelines for effective engagement with OER.

3.1 Policy objectives
The objectives of the policy are to

a. Provide guidelines on how to formulate the necessary strategic outputs, tasks and performance indicators to achieve OER creation and integration in the development and delivery of OUT courses;
b. Develop awareness about the concept and practices related to OER among all OUT academic community and the general public;
c. Guide capacity building among the academic staff and supporting personnel for the creation, identification, storing and integration of OER in their courses;
d. Ensure preparation of all required guidelines and manuals for OER creation, integration and dissemination including open licensing procedures.

3.2 Policy statements and strategies
Academic Digital Fluency Course

A digital literacy course for academic community consisting five modules:

- Digital Fundamentals
- Working with Open Educational Resources
- Learning Design and Development for Blended / Online Delivery
- Academic Integrity in the Digital Age
- Storage and Access for Digital Resources

Developed and reviewed by IEMT, FSTES staff with support from OER Africa /SAIDE
Digital Fluency Course ...

What has been done

• Survey on OER awareness at OUT
• Stake holders meetings
• Content creation
• Content review
• Technology alignment
• Copyright clearance
• Online course development
• Pilot planning
• Module 2 pilot (14th March – 30th April 2016)

Current status & way forward

• Module 3 pilot on progress
• Technology alignment for Module 1 on progress
• Quality Assurance comments are being integrated in Module 5
• Technology alignment to be done for Module 1, 4 and 5
• Copyright clearance to be done for Module 1, 4 and 5
ODF 001 Module 2: Working with Open Educational Resources (OERs)

This is the 2nd module of the Academic Digital Fluency course.

Module Description

Nowadays there is a large amount of educational material available online for teaching and learning and research purposes. Open Educational Resources (OERs) provide a means to produce and share knowledge by taking advantage of the digital environment supported by the internet. Through using OER guided by open licenses, users can freely retain, reuse, revise, remix and redistribute content over the internet, thereby enhancing teaching and learning experiences. This module is aimed at providing the learner with basic guidance on OERs, including underlying concepts, and encouraging practical use of OERs. The first topic covers the basic definition of OERs, their forms and repositories. Topic 2
OUT OER Conversion Process

Developed by Nihuka, Mushi & Mallinson, 2016

Digitized content

Copyright clearance

Selecting CC License

Integrating MM content

Identifying repository / portal

Publishing for distribution

(Academic Staff, Students, SMEs)

(IEMT / Library / Quality Ass.)

OUT OER Working Group (IEMT)
Some of the Courses in conversion process

- OLW 202: Law of Evidence
- OPD 304: Population Migration and Development
- OGE 121: Background to Physical resources
- FRA 1: French 1
- FRA 2: French 2
- OEF 101: Philosophy of Education and Teaching
- OLW 304: Commercial Law
Supporting ICT Infrastructure - HQ/RCs Network & Internet

- ICT infrastructure is rapidly expanding with RCs connected to HQ & to Internet
- Internet/ServerRoom
  - Main Internet link – 10Mbps (TERNET) being upgraded to 40Mbps (HERIN)
  - Back-up link - Microtic (6 Mbps)
  - Backups-power/data
- RCs Connectivity
  - All RCs being upgraded to 2Mbps from 512Kbps or a Broadband
- WiFi - Over 50 Access Points at HQ & RCs

Connected & networked HQ (Block A to E) & WIFI for students/staff

Servers for various applications e.g. FTS, SARIS, Website, Email etc.

Connected RCs (VPN) & WiFi for students/staff

Connected RCs (Broadband) & WiFi for students/staff

Connected Kinondoni RC (Fibre optic) & WiFi for students/staff

To the Internet - with main & back-up links
Supporting Infrastructure – ICT Studio and Video Conference

Video Conference- Supporting Lectures and meetings
DSM-Mwanza

ICT Studio – Lectures and marketing related Recordings (Video or Audio) – Recording place
Other Support Services

Library services offers support and training to:
Students on online library services and access to OER resources at OUT

IEMT also offers other support to:

– Lecturers/Instructors
– Users/Students accessing OER resources including awareness on this and digital resources in general during students face to face and orientations sessions country-wide (at our 30 Regional Centres)
– Through IT team at HQ & in Regions
Library Website Recently Improvement
(Based on our own and Lisbeth Observations)

- Development of new interface using new platform which allow many plugins.
- Content arrangement (Currently in progress).
- The platform is based on content Management System(CMS) in this case Drupal
Improved Library Website

The Open University of Tanzania Library

Welcome note

Welcome to the OUT Library Website

Important Information

- Current Awareness Services (CAS)
- FAQ

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Challenges Encountered

- Reluctance of academicians to release their contents online for free
- Not been able to collect the statistics on the usage of OER resources
- Converting process from ODL to OER
- Inducting students to OERs
- Connectivity Issues
Plans to Reduce encountered Challenges

- Search, install and use web traffic software to track and assess the usage of OER resources at OUT
- Capacitate more learners (continuing and new) during face to face sessions and orientation days
- Capacitate more OUT Instructors on OER though different initiatives
- Introduce incentives, motivational schemes and performance appraisal for OER users
- Disseminate the OER policy to OUT staff

- Conduct survey on how OUT staff are using OER
- Conduct researches on OER
- Contribute to the OER repository pool
- Establish collaboration with more OER partners
- Connectivity Improvement including Internet access bandwidth
- Affordable tablet solution for increasing Students access to our digital resources including OERs
Thank you