

THE STATE UNIVERSITY OF ZANZIBAR



IT TEACHING METHODS (ED 2216) MODULE

CONTENT DEVELOPERS

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Instructional Design Storyboard for IT Teaching Methods Course (ED 2216) for OER Africa Platform

Course page		Responsible for content: Mwanajuma (lead), Umayra, Raya, Mr Said
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		Responsible for online implementation: Mr Said(lead), Umayra (lead), Mwana, Raya
		Responsible for Quality assurance: Dr Maryam, Dr Hassan, Iddi
	Text on screen (course page)	Comment
Course Title	Information Technology Teaching Methods	
Course Code	ED 2216	
Course Credit	10	
Hours per week	7	
Course Aim	This course is designed to enable students to apply professional and technical skills of teaching information technology in secondary schools.	
Learning Outcomes	At the end of the students are expected to: <ul style="list-style-type: none"> 1. Describe the basics concepts of Information and Communication Technology (ICT) 2. Apply Fundamental Skills for teaching computer studies in classrooms and laboratories to maximize teachers productivity 	

	<ol style="list-style-type: none"> 3. Modelling appropriate methods of teaching ICT at secondary levels (both O and A levels). 4. Teach confidently all topics of ICT face to face in the classroom and using blended learning (Mix of face to face and online) 5. Use various methods and techniques of assessment and evaluation for the purpose of evaluating the learning of computer 6. Apply technology resources and tools appropriately when implementing instruction, assessment and evaluation 		
Syllabus			
	Weeks	Topic	Workload, appro
		Introduction to ICT in Education	14 hours 6 Hours (face to f 8 hours (online)
		Role and responsibilities of personals and school in ICT Education	7 hours 3 hours (Face to f 4 hours (online)
		Analysis of ICT curriculum materials (syllabus, Textbook, Teacher's guide etc)	14 hours 6 Hours (face to f 8 hours (online)
		Planning, lesson preparation and record keeping	14 hours 6 Hours (face to f 8 hours (online)
		Computer laboratory	7 hours

				3 hours (Face to face) 4 hours (online)		
	9,10 & 11		Week 9,10, 11 & 12 (12 hrs): ICT Teaching Methods, Approach and Techniques	21 hours 9 hours (Face to face) 12 hours (online)		
	13		Challenges and strategies of Teaching ICT for special cases (large class, slow learner etc)	7 hours 3 hours (Face to face) 4 hours (online)		
	13&14		Assessment and evaluation in ICT	14 hours 6 Hours (face to face) 8 hours (online)		
	15		Microteaching	7 hours 4 hours (Face to face) 3 hours (online)		
Resources		<p>Course introduction video (2 – 3 min) https://www.youtube.com/watch?v=HgXJSWYQxF Also find a short summary on how you can prepare yourself for this blended course Be Prepared for your Online Learning https://drive.google.com/file/d/1pMgrW6UkGZWavSFNQwxBmvxlGT2TXEmb/view?usp=sharing</p>				

Week 1 & 2 Topic 1: Introduction to ICT in Education 14 hours 6 Hours (face to face) 8 hours (online)		Responsible for content: Raya
		Responsible for online implementation: Mr Said
		Responsible for Quality assurance: Dr Maryam, Dr Hassan, Iddi
	Text on screen (course page)	Comments
1.1 Title:	Introduction to ICT in Education	
Description	In this first course week, the students will be introduced to the concept of ICT in general, ICT in education, attitudes toward ICT, challenges of teaching and learning ICT, integrating ICT in teaching and technological tools to use in improving learning and teaching.	

Learning objectives	<p>Learning Objectives</p> <p>After actively engaging in this week's learning experiences, you should be able to:</p> <ul style="list-style-type: none"> ● Describe the concept of ICT and ICT in education ● Identify the use of ICT in Education ● Identify issues in the use of ICT in Education ● Analyse the key challenges of integrating ICT in Education 	
1.2 Activities		
Pre-reading material	Please read the materials provided in this topic. Make sure you read it before coming to the class.	https://slideplayer.com/slide/1730089/ Online[2 hours]
Lecture	<p>Lecture 1</p> <p>Basic concepts of Information and Communication Technology in Education</p>	https://www.slideshare.net/Vijirayar/information-and-communication-technology-in-education-57360802 Face-to-face [2 hours]
Forum discussion	<p>This week we have an online discussion on the following question:</p> <p><i>Briefly discuss the importance of ICT in Education.</i></p> <p>Please visit this week's forum and:</p> <ol style="list-style-type: none"> 1) make a new thread where you give your own answer, and 2) comment on the answers given by three of your fellow students. 	Online [1 hour]
Quiz	Test your understanding by conducting the online quiz.	<p>Please find multiple choice questions in [quiz1MCS.odt] Pre and Post. quiz1 answers.odt Online [1 hour]</p>
Seminar/ Presentation	In a group of three, write short notes to answer the following questions:	presentation1.odt face-to-face [1 hour]

	<p>1. Briefly explain how ICT has changed the way of presenting, commenting and discussing student work.</p> <p>2. Discuss how the use of ICT can help in inclusive education.</p> <p>3. Briefly discuss how ICT can enhance lifelong learning.</p>	
Pre-reading material	<p>Find a paper in the below link and read before lecture 1: https://www.researchgate.net/publication/305876096 ICT Integration in Teaching and Learning in Secondary Schools in Tanzania Readiness and Way Forward</p>	<p>paper1.pdf [2 hours]</p>
Lecture	<p>Lecture 2 Integrating ICT in Teaching and Learning</p>	<p>https://www.slideshare.net/biotechvictor1950/integration-of-ict-in-teaching-and-learning-face-to-face [2 hours]</p>
Practical/Hands-on	<p>This week we have a hands-on practise on the following topic: <i>Challenges facing implementation of ICT in teaching Secondary Schools students.</i></p> <p>Please visit this week's forum and: 1) Using screencast-O-Matic software record a video of yourself explaining about the above topic, and 2) upload your video for review.</p>	<p>Online [1.5 hour]</p>
Presentation	<p>Answer the following questions on your own:</p> <ul style="list-style-type: none"> ● Choose any topic that you are currently covering in your class. ● Open a new PPT presentation on your laptop. ● Choose a theme that you think is relevant to your chosen topic. ● Add information to the various PPT slides. ● Edit your slides to make sure there are no spelling mistakes. (Number of slides 8-10). 	<p>presentation2.odt face-to-face [1 hour]</p>

	<ul style="list-style-type: none"> ● Present your slides as part of your teaching on this topic. ● Use the upload function below to upload a copy of your presentation for review. 	
Reflection	<p>Discuss the following question: What do you think is the important aspect of today's lecture? Briefly explain, how it is benefit to you in your learning process.</p>	online [0.5 hour]
1.3 Topic Resources	<p>Please read the following materials and watch video resources as preparation before lecture 1 and 2:</p> <p>[Books]</p> <p>https://www.infodev.org/infodev-files/resource/InfodevDocuments_432.pdf</p> <p>SURVEY OF ICT AND EDUCATION IN AFRICA: Tanzania Country Report, by Harry Hare, 2007.</p> <p>https://wiki.nus.edu.sg/display/cs1105groupreports/History+of+ICT</p> <p>https://www.youtube.com/watch?v=qxOshY-KjDM</p> <p>Lucian V. Ngeze, (2017).ICT Integration in Teaching and Learning in Secondary Schools in Tanzania: Readiness and Way Forward, International Journal of Information and Education Technology, Vol. 7, No. 6. [paper1.pdf]</p> <p>International Journal of Information and Education Technology, Vol. 7, No. 6, June 2017Yazidu Said Mbalamula, (2016) Role of ICT in Teaching and Learning: Influence of Lecturers on Undergraduates in Tanzania. [paper2.pdf]</p> <p>Jo Shan Fu () ICT in Education: A Critical Literature Review and Its Implications</p>	

	National Institute of Education, Singapore. [paper3.pdf] Tinio, V. L. (2003). ICT in Education. https://akgul.bilkent.edu.tr/egitim/eprimer-edu.pdf	
	End of topic 1	

Week 3: Topic 2: Role and responsibilities of personals and school in ICT Education 7 hours 3 hours (Face to face) 4 hours (online)		Responsible for content: Mwana
		Responsible for online implementation: Mwana
		Responsible for Quality assurance: Dr Maryam, Dr Hassan, Iddi
	Text on screen (course page)	Comments
2.1 Title:	Role and responsibilities of personals and school in ICT Education	
Description	In this topic the students will learn about the roles and responsibilities of ICT teacher, ICT technician in the school community	
Learning objectives	Learning Objectives After actively engaging in this topic learning experiences, you should be able to: <ul style="list-style-type: none"> ● Explain the roles and responsibilities of ICT teacher ● Implement the responsibilities of ICT teachers at school 	
2.2 Activities		
Pre-reading	The Role of the Teacher in the Use of ICT	https://www.slideshare.net/ChrisKwei/the-role-of-the-teacher-in-the-use-of-ict Online [2 hours]
Lectures	Lecture on roles and responsibilities of ICT Teachers	lecture3.pdf 2 hours (Face to face)
Assignment/ Quiz	Online quiz	Please find multiple choice questions in [document name]

		Online [0.5 hour]
Forum discussion	<p>In this discussion give your opinion on:</p> <ul style="list-style-type: none"> ● whether ICT is used effectively in all cases that Wheeler describes - comment on cases that concern you most ● the roles that teachers would need to assume in order for teachers to best manage the learning processes in those classrooms. 	<p>Find the True and False questions on this document: quiz3.odt The answers can be found in: quiz3 answer.odt Online [1 hour]</p>
Seminar/Presentation	<p>Briefly explain the following two topics in relation to the roles of ICT teachers:</p> <ul style="list-style-type: none"> ● the changing role of the teacher. ● things preventing the teacher from using ICT in teaching. 	[1 hour]
Reflection	<p>What challenges did you face in learning this topic? What do you think could be improved?</p>	Online [0.5 hour]
2.3 Resources		
End of topic 2		

Week 4&5 Topic 3: Analysis of ICT curriculum materials (syllabus, Text book, Teacher’s guide etc) 14 hours 6 Hours (face to face) 8 hours (online)		Responsible for content: Mr Said
		Responsible for online implementation: Mr Said
		Responsible for Quality assurance: Dr Maryam, Dr Hassan, Iddi
	Text on screen (course page)	Comments
3.1 Title:	Analysis of ICT curriculum materials (syllabus, Text book, Teacher’s guide etc)	
Description	In this topic you will be introduced to the ICT curriculum materials such as syllabus, textbook, teacher’s guide and other related materials. In doing so, you will have a chance to familiarize ICT materials and make critical analysis on those ICT related materials.	
Learning objectives	Learning Objectives After you actively engage in these weeks learning experiences, you should be able to: <ul style="list-style-type: none"> ● identify ICT curriculum materials ● describe different terms related to curriculum materials ● Explain criteria for judging good ICT materials ● Analyze ICT curriculum materials ● Evaluate current ICT syllabus in teaching ICT in secondary schools. 	
3.2 Activities		
Pre-reading	Please read the materials provided in this topic. Make sure you read it before coming to the class.	Online [2 hours]
Lecture	Lecture 1 Curriculum Materials	Face to face [2 hours]
Forum discussion	“Why is important to analyze curriculum materials?”	Online [1 hour]

	<p>Please visit this week's forum and:</p> <ol style="list-style-type: none"> 1) Make a new thread where you give your own answer, and 2) Comment on the answers given by three of your fellow students. <p>Go to forum</p>	
Seminar/Presentation	<p>-In a group of 3-5, discuss the following questions:</p> <ol style="list-style-type: none"> 1) Choose one of curriculum materials and outline important features found in that material you have chosen. 	Face to face [1 hour]
Reflection	<p>Please reflect on the previous week by telling us on what went well, what went wrong and areas of improvement. Write your answer and share it online.</p>	Online [0.5 hour]
Pre-reading	<p>http://www.pitt.edu/~ginie/ieq/pdf/curranal.pdf</p> <p>http://smart2.ums.edu.my/pluginfile.php/35550/mod_resource/content/1/SYLLABUS%2C%20TEXTBOOKS%20AND%20COURSEBOOK%20ANALYSIS.pdf</p>	Online [2 hours]
Lecture	<p>Lecture 2</p> <p>Curriculum Analysis</p>	[2 hours] Face-to-face
Forum discussion	<p>This topic we have an online discussion on the following question:</p> <p><i>What are the biggest challenges in implementing ICT syllabus in Secondary Schools?</i></p> <p>Please visit this week's forum and:</p> <ol style="list-style-type: none"> 1) make a new thread where you give your own answer, and 2) comment on the answers given by three of your fellow students. 	Online [1 hour]
Seminar	<p>In a group of 3-5, discuss the following questions:</p> <ol style="list-style-type: none"> 2) Choose one curriculum materials and make analysis based on criteria for each material. Give your suggestion if you find any shortcoming. 	Face to face [1 hour]

Assignment/Quiz	<p>Test your knowledge</p> <p>After class you should do the test to check that you have understood the main learning points. Start quiz</p> <p>https://docs.google.com/document/d/1bH1V42GOwz37PeWWvU9rCQJx88rcaM3pF4c3F8TSAIY/edit</p>	Online [1 hour]
Reflection	Please reflect on the previous week by telling us on what went well, what went wrong and areas of improvement. Write your answer and share it online.	Online [0.5 hour]
3.3 Resources	<p>Please read the following material as preparation before lecture 1 and 2:</p> <p>Books</p> <p>URLs</p>	
	End of topic 3	

Week 6&7 Topic 4: Planning, lesson preparation and record keeping 14 hours 6 Hours (face to face) 8 hours (online)		Responsible for content: Mr Said, Dr Maryam
		Responsible for online implementation: Mr Said
		Responsible for Quality assurance: Dr Maryam, Dr Hassan,Iddi
	Text on screen (course page)	Comments
4.1Title:	Planning, lesson preparation and record keeping	
Description	In this topic you will be introduced to the process of planning lesson,	
Learning objectives	<p>Learning Objectives</p> <p>After actively engaging in these weeks learning experiences, you should be able to:</p> <ul style="list-style-type: none"> ● Define instructional objectives, lesson plan, scheme of work and competence ● Identify levels of bloom taxonomy in writing instructional objectives ● Explain importance of writing instructional objectives ● Write well stated instructional objectives ● List scheme of work and lesson plan components ● Explain the importance of scheme of work and lesson plan in teaching ● Design scheme of work and lesson plan based on components identified 	
4.2 Activities		
Pre-reading	https://www.youtube.com/watch?v=4DgkLV9h69Q https://www.youtube.com/watch?v=42k6xj41wrs&t=42s http://www.cetla.howard.edu/teaching_resources/Curriculum_Design/docs/Learning%20Objectives.pdf	Online [2 hours]
Lecture	Lecture 1	Face to face [2 hours]

	Planning for lesson- Writing Instructional Objectives	
Forum Discussion	<p>“Why is important to plan for a lesson?”</p> <p>Please visit this week's forum and:</p> <ol style="list-style-type: none"> 1) Make a new thread where you give your own answer, and 2) Comment on the answers given by three of your fellow students. <p>Go to forum</p>	Online [1 hour]
Seminar	<p>In a group of 3-5, discuss the following questions:</p> <p>Choose one topic and write five instructional objectives based on bloom taxonomy</p>	Face to face [1 hour]
Quiz	<p>Test your knowledge</p> <p>After class you should do the test to check that you have understood the main learning points. Start quiz</p> <p>https://docs.google.com/document/d/1VwrQna4xk6AF54gX3RSwfxzKF3ONyICXW-r0hHr1fLY/edit</p>	Online [0.5 hour]
Reflection	<p>Please reflect on the previous week by telling us on what went well, what went wrong and areas of improvement. Write your answer and share it online.</p>	Online [0.5 hour]
Pre-reading	<p>https://www.youtube.com/watch?v=sxwSHDISK4A&t=190s</p> <p>https://www.youtube.com/watch?v=9FgyE23jINI</p>	Online [2 hours]
Lecture	<p>Lecture 2</p> <p>Scheme of work and Lesson Plan</p>	Face to face [2 hours]
Forum discussion	<p>This topic we have an online discussion on the following question:</p> <p><i>Why are the biggest challenges of teaching ICT in Secondary Schools?</i></p>	Online [1 hour]

	<p>Please visit this week's forum and:</p> <ol style="list-style-type: none"> 1) make a new thread where you give your own answer, and 2) comment on the answers given by three of your fellow students. 	
Seminar	<p>In a group of 3-5, discuss the following questions:</p> <p>Choose one topic and write five instructional objectives based on bloom taxonomy</p>	Face to face [1 hour]
Quiz	<p>Test your knowledge</p> <p>After class you should do the test to check that you have understood the main learning points. Start quiz https://docs.google.com/document/d/1-wEvpLvkd9DDszfcBlhd2wyQ6J279eTsi2DNHmT9OcE/edit</p>	Online [1 hour]
4.3 Resources	<p>Please read the following material as preparation before lecture 1 and 2:</p> <p>Books</p> <p>URLs</p> <p>https://books.google.co.tz/books?id=aS5FaFtWafAC&pg=PA10&dq=scheme+of+work+and+lesson+plan&hl=en&sa=X&ved=0ahUKewj83fnewLDeAhXOpIsKHWZcCWIQ6wEIMzAC#v=onepage&q=scheme%20of%20work%20and%20lesson%20plan&f=false</p>	
End of topic 4		

Week 8 Topic 5: Computer Laboratory 7 hours 3 hours (Face to face) 4 hours (online)		Responsible for content: Madam Raya, Dr Hassan
		Responsible for online implementation: Madam Raya
		Responsible for Quality assurance: Dr Maryam, Dr Hassan, Iddi
	Text on screen (course page)	Comments
5.1Title:	Computer Laboratory	
Description	The computer laboratory is a basic place to localize ICT in a school. In reality, many schools went in this way when they get an opportunity to get computers. The questions raise on which is the best way these computers can be designed and aligned so as to have good management to the students while learning in these labs. In this topic, we will explore the best method for set up computer lab as well as to examine the best and effective model. In that manner, the topic will introduce the Concept of Computer Laboratory, purpose of computer laboratory in the learning process. The topic will also explain, Computer Lab Design and Management including rules governing computer labs.	
Learning objectives	Learning Objectives After actively engaging in these week learning experiences, you should be able to: <ul style="list-style-type: none"> ● Explain what is computer lab, its purpose and its importance to the learning process. ● Identify other spaces similar to computer lab and explain how they differ from one another ● Describe different rules governing Computer Lab. ● Design a computer lab for teaching IT 	
5.2 Activities		

Pre-reading	<p>1. School computer labs: A bad idea? http://blogs.worldbank.org/edutech/computer-labs</p> <p>2. Computer Lab General rules: http://www.southseattle.edu/computer-labs/rules-policies.aspx</p> <p>3. The Four Best Computer Laboratory Layouts for Schools https://www.brighthub.com/computing/hardware/articles/52714.aspx</p> <p>4. Equal Access: Universal Design of Computer Labs (1) Burgstahler, S. (2012). Equal Access: Universal Design of Computer Labs Do-IT Univ. Washington (Pdf file).</p> <p>5. Equal Access: Universal Design of Computer Labs (1) https://www.washington.edu/doit/videos/index.php?vid=12</p>	Online [2 hour]
Lecture	Lecture 1 - Computer Lab for School Community - Lecture 1.ppt	Face-to-face [2 hours]
Forum discussion	<p>This week we have an online discussion on the following question:</p> <p style="text-align: center;">Why Computer Lab Design and Layout is Important?</p> <p>Please visit this week's forum and:</p> <p>1) make a new thread where you give your own answer, and 2) comment on the answers given by three of your fellow students.</p>	Online [0.5 hour]
Assignment/ Reporting	Refer from the previous reading in the Pre-readings section together with a lecture material you have learned above. Think, re-design and prepare a rough sketch of a computer lab that you will suggest it to your School Management. If your school is not yet having one, think and recommend a suitable venue for the designing of ideal Computer Lab (assume 35 computers).	Online [2 hours]
Reflection	Reflect on what we have discussed earlier. Which layout is best suited for your class in your School. Give the concrete reasons for your answer	Online [0.5 hour]
5.3 Resources	Please read the following material as preparation before lecture 1 and 2: Books:	

	<ul style="list-style-type: none">• The Computer Lab Teacher's Survival Guide: K-6 Units for the Whole Year (2010) by Holy Poteete.• Teachers Discovering Computers: Integrating Technology in a Connected World By Gary B. Shelly, Glenda A. Gunter, Randolph E. Gunter (Page 213)• Computers in the Classroom: How Teachers and Students Are Using Technology to Transform Learning Andrea R. Gooden, Fred Silverman <p>URLs:</p> <p>https://www.educationworld.com/a_tech/tech025.shtml</p> <p>https://er.educause.edu/articles/2009/3/learning-spaces-a-tutorial</p> <p>https://er.educause.edu/articles/2007/8/the-myth-about-the-need-for-public-computer-labs</p>	
End of topic 5		

Week 9, 10 & 11 Topic 6: ICT Teaching Methods, Approach and Techniques 21 hours 9 hours (Face to face) 12 hours (online)		Responsible for content: Madam Umayra
		Responsible for online implementation: Madam Umayra
		Responsible for Quality assurance: Dr Maryam, Dr Hassan, Iddi
	Text on screen (course page)	Comments
6.1 Title:	ICT Teaching Methods, Approach and Techniques	
Description	In this topic the students will be able to explain the meaning of teaching approaches and teaching methods, types and characteristics of teaching approaches, teaching and learning theories, and advanced teaching methods for the ICT classroom. These concepts will enable students to apply the best methods for teaching ICT.	
Learning objectives	Learning Objectives After actively engaging in these weeks learning experiences, you should be able to: <ul style="list-style-type: none"> ● Analyze characteristics of teaching methods and approaches. ● Discuss different types of teaching and learning theories. ● Apply different types of teaching approaches and methods in an ICT classroom. 	Please find the textbook that explains about theories of learning
6.2 Activities		
Pre-reading	https://www.slideshare.net/sidra-098/teaching-techniques-ppt-61333113 https://www.slideshare.net/rdhaker2011/teaching-method-ppt	Online [2 hours]
Lecture	Lecture 1 Teaching approaches and Teaching methods https://drive.google.com/open?id=1Tn6L1hYeYeg2VvrZGjSB038XP2dZ58am	Face to face [2 hours]
Forum Discussion	This week we will have an online discussion on the following question: What is the most appropriate teaching approach in an ICT classroom based on the	Online [1 hour]

	<p>situation of most Secondary schools in Zanzibar?</p> <p>1) make a new thread where you give your own answer, and 2) 2) comment on the answers given by three of your fellow students.</p>	
Seminar	<p>In a group of 3-5, discuss the following question: What is the most appropriate method in teaching new concepts. Discuss critically using the types of teaching approaches</p>	Face to face [1 hour]
Discussion	What are the effective ways of implementing cooperative learning?	Online [0.5 hour]
Reflection	What important aspects of today's lesson/topic did you find very useful? How and why?	Online [0.5 hour]
Pre-reading	<p>https://openoregon.pressbooks.pub/collegereading/front-matter/introduction/ http://oasis.col.org/bitstream/handle/11599/52/Education_for_a_Digital_World.pdf?sequence=1&isAllowed=y</p>	Online [2 hours]
Lecture	<p>Lecture 2 Teaching and Learning Theories https://drive.google.com/open?id=1Tn6L1hyeYeg2VvrZGjSB038XP2dZ58am</p>	Face to face [2 hours]
Forum Discussion	<p>This week we will have an online discussion on the following question: Analyze two types of learning theories and explain how they relate to teaching theories.</p> <p>3) make a new thread where you give your own answer, and 4) 2) comment on the answers given by three of your fellow students.</p>	Online [1 hour]
Seminar	<p>In a group of 3, develop a lesson plan using one of the teaching approaches studied in this week. Select a section of the syllabus that lends itself to ICT and then, using any of the teaching approaches, create a lesson plan. Make sure the approach you have decided to</p>	Face to face [1 hour]

	use is obvious to the course tutor.	
Presentation/Discussion	Using behaviorist, cognitive and social learning theories exhibit how you would teach a topic of your choice using these theories.	Online [0.5 hour]
Reflection	What challenges/difficulties did you face in learning this topic? What would you change/improve?	Online [0.5 hour]
Pre-reading	https://blogs.ubc.ca/dandt/files/2014/07/Petrina2007.pdf	Online [2 hours]
Lecture	Lecture 3 Teaching Methods for the ICT classroom	Face to face [2 hours]
Forum Discussion	Access the forum entitled 'Zanzibar School ICT Deployment Models' and answer these questions: How are ICTs currently organized at the school you studied? Do you consider this arrangement good, poor or an ad hoc set up? In your opinion how might a well-designed physical learning environment affect teaching and learning? Provide examples to support your answer.	Online [1 hour]
Seminar	In a group of 3 analyze the situation in Zanzibar Secondary schools that teach ICT. How would you change the situation in ICT classes as a teacher?	Face to face [1 hour]
Micro Teaching	Select one topic of your choice of ICT lesson and practice teaching it using one teaching approach. Your teaching should not exceed 8 minutes. You will have to explain why you chose that approach and the shortcomings of not using other approaches for teaching that topic.	Face to face [0.5 hour]
Reflection	What's your general opinion of this lesson? What did you like most and what you didn't like at all. Do you think the objectives of the topic were met? How?	Online [0.5 hour]
3.3 Resources	Please read the following material as preparation before lecture 1 and 2:	

	<p>Book: https://opentextbc.ca/teachinginadigitalage/</p> <p>https://drive.google.com/file/d/0BxV1LO6iHp1yRFIRakxpNE9rSFU/edit (pg. 5 - 7)</p> <p>URL https://drive.google.com/open?id=1j_igj1EGldk_d8TIF26KQniyxwvBYG</p> <p>http://www.oercommons.org/courses/ict-in-the-classroom/view</p>	
	End of topic 6	

Week 12: Topic 7: Challenges and strategies of Teaching ICT for special cases (large class, slow learner etc) 7 hours 3 hours (Face to face) 4 hours (online)		Responsible for content: Madam Umayra, Dr Hassan
		Responsible for online implementation: Madam Umayra
		Responsible for Quality assurance: Dr Maryam, Dr Hassan, Iddi
	Text on screen (course page)	Comments
7.1Title:	Challenges and strategies of Teaching ICT for special cases (large class, slow learner etc)	
Description	In this topic the students will be able to describe with the challenges and strategies of Teaching ICT for special cases. These include challenges like structure of the classrooms, number of students, learners with special needs and insufficient ICT tools. It is very important for the teachers to apply effective ways in overcoming such shortcomings.	
Learning objectives	Learning Objectives After actively engaging in these weeks learning experiences, the students will be able to: <ul style="list-style-type: none"> ● Identify challenges facing the implementation of ICT in classrooms with special cases. ● Discuss the role of ICTs in providing inclusive education for students in special classes classrooms. ● Analyse importance of providing inclusive education to achieve equal opportunities for all ● Evaluate effective strategies for teaching ICT in special cases classes. 	
7.2 Activities		
Pre-reading activities	http://colcti.colfinder.org/sites/default/files/guyana/resources/TL/TL%20	2 hours (online)

	M04U02%20Docs/One%20Computer%20Classroom_Issues.pdf	
Lecture	<p>Lecture 1: Implementation of ICT in classrooms with special classroom cases</p> <p>https://www.slideshare.net/jtondeur/ecer2011-classroom-setting-share?qid=b5d5baab-fa69-4c43-bc63-42d9f0736be7&v=&b=&from_search=2</p>	1 hour (Face to face)
Discussion	<p>Choose 2-3 ICTs that can facilitate a better learning experience for a very large classroom.</p> <p>Design a lesson whereby you identify a slow learner student in your classroom and use an ICT to assist in this problem.</p>	30 minutes (online)
Assignment	<p>Please think of the following questions and find answers:</p> <ul style="list-style-type: none"> ● What is the impact of large classes in teaching ICT? ● How can learners with specials best be helped in learning ICT ● What are the effective ways of selection of special technologies according to needs of students. 	1 hour (face to face)
Lecture	<p>Lecture 2: Strategies in providing ICT in special cases.</p> <p>https://www.slideshare.net/drbahar/strategies-for-use-of-ict-in-edn-ictes-2004?qid=7f1c10eb-05e7-40d6-8bad-32c328401529&v=&b=&from_search=6</p>	1 hour (Face to face)
Forum discussion	<p>This topic we have an online discussion on the following question:</p> <p><i>What are the biggest challenges of teaching ICT in Secondary Schools?</i></p> <p>Please visit this week's forum and:</p> <ol style="list-style-type: none"> 1) make a new thread where you give your own answer, and 2) comment on the answers given by three of your fellow students. 	1 hour (Online)

Reflective Journal	Please write a critical reflective journal on your experiences as a student - teacher on the challenges you have observed/experienced in teaching and learning ICT in large classrooms in Zanzibar schools. selection and use of special technologies according to needs of students;	30 minutes (Online)
7.3 Resources	<p>Please read the following material as preparation before lecture 1 and 2:</p> <p>https://hal.inria.fr/hal-01054699/file/Adams-KCKS.pdf</p> <p>https://www.atl.org.uk/system/files_force/publication-files/Learning%2C%20a%20sense%20maker%27s%20guide.pdf?download=1</p> <p>URL http://colccti.colfinder.org/sites/default/files/guyana/resources/TL/TL%20M04U02%20Docs/One%20Computer%20Classroom_Issues.pdf</p> <p>http://colccti.colfinder.org/sites/default/files/guyana/resources/TL/TL%20M04U02%20Docs/ICT_classroom.asp.ht</p>	
	End of topic 7	

Week 13 & 14 Topic 8: Assessment and evaluation in ICT 14 hours 6 hours (Face to face) 8 hours (online)	Responsible for content: Mwana	
	Responsible for online implementation: Mwana	
	Responsible for Quality assurance: Dr Maryam, Dr Hassan, Iddi	
	Text on screen (course page)	Comments
8.1 Title:	Assessment and evaluation in ICT	
Description	In this topic the students will be introduced to the basic principles of assessment and evaluation in ICT.	
Learning objectives	Learning Objectives At the end of this topic the student will be able to <ul style="list-style-type: none"> ● Explain principles of assessment and evaluation in ICT. ● Prepare and use assessment and evaluation tools to evaluate students learning ● Prepare and use marking scheme and rubrics 	

8.2 Activities	<ol style="list-style-type: none"> 1. Groups Round 1: Given a product & decide reasons it's best. 2. New Groups Round: Each student tries to persuade classmates why their product is best. 3. Voting Round: Each person votes on best product. 4. Final Presentation Round: Groups volunteer to show how they persuaded their classmates that their product was best. 	
Pre-reading materials	<p>Please follow the following links and try to get some idea and concept on Assessment and Evaluation before we meet face to face for Lecture 1</p> <p>Assessment and Evaluation</p> <ul style="list-style-type: none"> • https://www.iste.org/standards/essential-conditions/assessment-and-evaluation <p>Evaluation and Assessment Frameworks for Improving School Outcomes</p> <ul style="list-style-type: none"> • http://www.oecd.org/education/school/46927511.pdf <p>Principles of Effective Assessment</p> <ul style="list-style-type: none"> • http://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/Understanding-the-curriculum/assessment/principles-of-assessment <p>Measurement, Assessment & Evaluation; Certain basics part 1 and 2</p> <ul style="list-style-type: none"> • Watch the following Youtube Videos <ul style="list-style-type: none"> ❖ https://www.youtube.com/watch?v=8rFwm_nUZHo ❖ https://www.youtube.com/watch?v=3ZmeuoyNTOM 	2 hours (online)
Forum discussion	<p>This topic we have an online discussion on the following question:</p> <p><i>What are the biggest challenges of teaching ICT in Secondary Schools?</i></p> <p>Please visit this week's forum and:</p> <ol style="list-style-type: none"> 1) make a new thread where you give your own answer, and 2) comment on the answers given by three of your fellow students. 	1 hour (online)

Lecture	<p>Lecture 1 - Assessment and Evaluation https://drive.google.com/file/d/1X-gbspJRz3tXXQncpq_J207h0IrevkBr/view?usp=sharing https://drive.google.com/file/d/1zvPZx6WKDjJP-dLhl_uk2EMgiJOIZkb0/view?usp=sharing</p>	3 hours (face to face)
Assignment	<p>After reading the required readings attached below the students will be able to perform the test to check that you have understood the main learning points. Measurement Evaluation Online Quiz</p> <ul style="list-style-type: none"> • https://www.proprofs.com/quiz-school/story.php?title=measurement-evaluation-quiz# <p>Short Answer Questions</p> <ul style="list-style-type: none"> • https://drive.google.com/open?id=1jLWE0Uk6ghFwL1PRwgEECrBIY_4lby6q 	Please find multiple choice questions in 1 hour (online)
Pre-reading materials	<p>Please follow the following links and try to get some idea and concept on Assessment and Evaluation before we meet face to face for Lecture 2 How to make marking more efficient: three new techniques for teachers</p> <ul style="list-style-type: none"> • https://www.theguardian.com/teacher-network/teacher-blog/2014/apr/16/how-to-marking-techniques-teacher-feedback-students <p>How we mark children's work</p> <ul style="list-style-type: none"> • http://www.raylodgeprimary.co.uk/how-we-mark-childrens-work/ 	2 hours (Online)
Lecture	<p>Lecture 2 (PPt) Marking and Marking Scheme</p> <ul style="list-style-type: none"> • https://drive.google.com/file/d/1wnF-H8iAgJcxGnXMrhkKlrMVDZwoGqS3/view?usp=sharing <p>Assessment, Scheme of Work and Lesson Plan</p> <ul style="list-style-type: none"> • https://drive.google.com/open?id=1dvTSFSfbuTMecekBNBZQea6x2G_Ewl 	3 hours (face to face)

	sQ	
Forum discussion	<p>This topic we have an online discussion on the following question: What are the biggest challenges of assessing students? Please visit this week's forum and:</p> <ol style="list-style-type: none"> 1) make a new thread where you give your own answer, and 2) comment on the answers given by three of your fellow students. 	1 hour (online)
Online Group work	<p>Use the following online source to create a rubric to measure students' performance with the following features Students class: Form IV Students Roll: 45 Topic introduction to computer Time: 1hr test The link: RubiStar http://rubistar.4teachers.org/</p>	1 hour (online)

8.3 Resources

Please read the following material as preparation before lecture 1 and 2:

Book:

1. Handbook on Measurement, Assessment and Evaluation in Higher Education (2011) by Charles Secolsky, D.Brian Denison.

Available on: <http://b-ok.org/book/2778757/599880>

2. OECD reviews of evaluation and assessment in education. Slovak republic 2014.

Available on: <http://b-ok.org/book/3383918/28e707>

3. Assessing and teaching children at the early stages of development. Combining psychology and ICT: an evaluation of a short inservice course for teachers of pupils with PMLD by *JEAN WARE, PETER THORPE*

Available at <http://booksc.org/book/9491553/de4070>

URL :

Fenyng, M. (2003). Motivating Students by Modifying Evaluation Methods. English Teaching Forum, 41(1), 38-41. <http://americanenglish.state.gov/>

Hamayan, E.V. (1995). Approaches to alternative assessment. *Annual Review of Applied Linguistics*, 15, 212-226.

Huerta-Macias, A. (1995). Alternative assessment: Responses to commonly asked questions. *TESOL Journal*, 5, 8-10.

Norris, J. (2012). Purposeful language assessment: Selecting the right alternative test. *English Teaching Forum*, 50(3), 41-45. <http://americanenglish.state.gov/>

Shaping the Way we Teach English:

<http://www.americanenglish.state.gov/resources/shaping-way-we-teach-english>

End of topic 8

Week 15 Topic 9: Microteaching 7 hours 4 hours (Face to face) 3 hours (online)		Responsible for content: Mwana, Dr Maryam
		Responsible for online implementation: Mwana
		Responsible for Quality assurance: Dr Maryam, Dr Hassan, Iddi
	Text on screen (course page)	Comments
Title:	Microteaching	
Description	In this topic you will be trained on the basics practices of Teaching ICT in classroom. The students will practice teaching in classroom by applying ICT teaching methods and application of modern media and technology. The students will be accessed with sample video of microteaching. The students will also be required to prepare micro teaching presentation, materials and lastly there will be assessment and evaluation of each student microteaching	
Learning objectives	Learning Objectives After you actively engage in this experience, Students will be able to: <ul style="list-style-type: none"> ● Deliver a lesson properly ● Demonstrate ability to apply teaching learning theories, strategies, approaches and methods ● Assess lesson 	
1.2 Activities		
Preparation of lesson	Prepare a 5-10 min lesson for the topic of your choice share with your instructor	1 hr (Online)

Preparation of teaching materials	Prepare materials for teaching your topic that you have chosen.	1 hr (Online)
Pre reading activities	Please watch this video so as to help you to do your microteaching. https://www.youtube.com/watch?v=dT5_sFxFfJA	1 hr (Online)
Microteaching presentation	Please present your 5-10 minutes lesson to the class	4 hrs (Face to Face)
1.3 Resources	Syllabus, Textbook, Teacher guide, lesson plan	
End of topic : 9		