



**JARAMOGI ODINGA OGINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF EDUCATION**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF MASTER OF EDUCATION IN**  
**PLANNING AND ECONOMICS OF EDUCATION**  
**1<sup>ST</sup> YEAR, 2<sup>ND</sup> SEMESTER, 2017/2018 ACADEMIC YEAR**  
**KISII CAMPUS, REGULAR: DEC-2017**

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**COURSE CODE: EMA 851**

**COURSE TITLE: EQUITY AND EFFICIENCY IN EDUCATION**

**DATE .....**

**STREAM: BED (Arts)**

**TIME: 2HOURS**

**EXAM SESSION: December, 2017**

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**Instructions:**

**1 Answer question ANY THREE questions.**

**2 Candidates are advised not to write on the question paper.**

**3 Candidate must hand in their answer booklets to the invigilator while in the examination room.**

### QUESTION ONE

a) The following information relates to enrolment of students and corresponding number of repeaters in secondary education in Kenya between 2010 and 2013 in a given county.

			<b>FORM</b>		
<b>YEAR</b>	1	2	3	4	<b>G</b>
2010	100400*	92400	90500	87400	60002
	6000**	6200	5800	5500	
2011	104690	101500	87490	89600	59100
	6200	5900	5620	6200	
2012	116400	102460	99600	90100	69100
	6370	6200	5900	7500	
2013	127900	109900	100600	96900	70205
	6400	6140	6000	6900	

**Legend:**

\*- Is number of enrolment

\*\* - Is number of Repeaters

G – Is number of graduates

Using the table, compute to three decimal place:

- i) Actual Grade survival Rate in each of the forms in 2012

- ii) Grade Repeater Rate in each of the forms in 2013
- iii) Grade Drop-out Rate between forms 2 and 3 in 2012.
- iv) Grade Wastage Rate in all of the forms in 2011
- v) Crude Cohort Wastage Rate for the period
- vi) Graduation Rate of the county (12 mk)

b) Explain with help of appropriate diagrams, how the Gini-coefficient and the Lorenz curve can be used to measure inequality of educational resources in Kenya. (10mks)

c) In the past, education systems in developing countries have tended to cater for the elistic group in the society. Discuss four measures that are currently being undertaken to democratize access to educational opportunities in Kenya . (8mks)

## **QUESTION TWO**

a) Discuss any eight indicators of “quality education” (8mks)

b) Analyze how education can be used as a redistributive tool of income in developing countries (7mks)

## **QUESTION THREE**

a) Examine the contention that inequality in the distribution of educational resources is a major problem in developing countries today. ( 8mks)

b) What mitigation measures do you advocate to work against the inequities in education in Kenya ? (7mks)

## **QUESTION FOUR**

a) Discuss the factors that determine the demand and supply of education in the Sub-saharan countries (12mks)

- b) Explain three measures of reducing the demand of education (3mks)

**QUESTION FIVE**

- a) Differentiate between internal and external efficiency in education ( 5mks)
- b) Discuss the efficiency of the Kenyan education system currently? ( 10mks)

## **COURSE OUTLINE**

**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY  
KISII LEARNING CENTRE  
SCHOOL BASED MASTER OF EDUCATION DEGREE IN PLANNING &  
ECONOMICS OF EDUCATION-Y1S2  
DEPARTMENT OF CURRICULUM & EDUCATIONAL MANAGEMENT**

**COURSE CODE:EMA 851**

**COURSE TITLE: EFFICIENCY & EQUITY IN EDUCATION**

**INSTRUCTOR: DR. MWEBI BENARD, PhD**

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## **COURSE OUTLINE**

### **1.Purpose of the course**

The course aims at exposing students to equity and efficiency issues in education; The concept of efficiency and equity; methods of measuring internal and external efficiency of education system; equity considerations; education wastage rates; Gini coefficient and the Lorenz curve.

### **2.Course Objectives**

By the end of the course, the student should be able to :

- i) Define the concept equity and efficiency
- ii) Give a justification of equity and efficiency concerns in education
- iii) Explain how equity and efficiency are measured.

### **3.Course Content**

Concept of equity and efficiency

-Equity concerns in education, concepts of efficiency

-Efficiency concerns in education, how equity and efficiency are measured: measurement of equity by use of the Gini-coefficient & the Lorenz curve; measurement of efficiency by use of educational wastage rates.

### **4.Teaching Methodology**

Lectures, tutorials and discussions, presentations.

### **5.Instructional Material/ Equipment**

Writing materials, Whiteboards, handouts, projector and library research

### **6.Course Assessment**

Seminar presentations	20%
Assignment/sit in CAT	20%
Summative evaluation	60%

-(Grading shall be as detailed under the University examination regulations)

### **7.Recommended Textbooks**

Psacharopoulos, G. & Woodhall ,M. (1985).*Education for Development*, Washington D.C: Oxford University Press.

Todaro, M.P. (1985). *Economics for a Developing World. An Introduction to Principles, Problems and Policies for Development*. NewYork: Longman Singapore publishers ltd.

Woodhall, M.(2004). *Cost Benefit Analysis in Education*. Paris: IIEP.

### **Textbooks for further Reading**

Ayodo,T.M.O., Gatimu, K.& Gravenir,F.Q.(1991). *Economics of Education*, Nairobi: Government Printer

Ayot, H.O. Briggs, H. (1992). *Economics of Education*, Nairobi: ERAP.

Blaug, M. (1980). *Economics of Education. Selected Readings*. London: Penguin Books.

Carnoy, M.& Thias, H.(1972). *Cost Benefit Analysis of Education in Kenya*.Washington: World Bank.

Chesswas, J.O.(1968). *Methodologies of Educational Planning*. Paris: IIEP

Davies, K.G. (1980). *Models & Methods for a Systematic Planning*.Mass: Harvard University

Gravenir , F.Q. & Ayodo, T.M.O & Gatimu (1990).*Economics of Education Nairobi*.University of Nairobi.

Hallack, J.(1969). *The Analysis of Educational Costs and Expenditures*. Paris UNESCO IIEP.

Killick,Tony (Ed.) (1980). *Papers on the Kenyan Economy, Performance Problems & Policies*.

Musaasi, J.C.S.(19850. *The Theory and Practice of Educational Planning*. London: Mackmillan

Namaswa,G.& Mutua,R.W.(1992).*Eduucational Planning*. Nairobi: General Printers Ltd

Robinson, E. A.G. Vaizey, J.E.(1969).*The Economics of Education*. London: Mackmillan Press.

Ta Ngoc C.(1969). *Demographic Aspects of Educational Planning*. Paris: UNESCO IIEP.

UNESCO(1968).*Readings in Economics of education*.Paris: UNESCO.

Woodhall, M.(2004). *Cost Benefit Analysis in Education*. Paris: IIEP.

World Bank (1980). *Education Sector Policy Paper*.Washington D.C: World Bank.

World Bank (1988). *Educatio in Sub-Saharan Africa, Polices for Adjustment Revitalization and Expansion*, Washington D.C: WorldBank