COURSE TITLE: WOODWORK MATERIALS
COURSE CODE: DTE 114
CREDITS: 2
LEVEL: 100
SEMESTER: ONE
COURSE LECTURER: STEPHEN JOBSON MITCHUAL

COURSE OBJECTIVE

Solid woods, Veneer and plywood’s are no longer the only material used in woodworking. Plastics, metals, glass, Ceramics, leather etc are all currently included as industrial materials for wood works. This course is designed to create an in-depth understanding of physical and working properties of wood and wood related material as well as the way these properties influence selection and usage. This awareness is of prime importance to the designer (students) in this ability to identify and select the right types of material for project in woodworks.

AREAS OF COVERAGE

i. Forest and Forest Trees
ii. Hardwood and softwood
iii. Gross features of wood
iv. Identification of some commercial tropical timbers, their physical; and strength properties
v. Moisture in wood
vi. Density of wood and its practical significance
vii. Seasoning and preservation of wood
viii. Defect in timber and its effect on wood utilization
ix. Manufactured Boards
x. Wood related materials (Plastics, Fasteners, Adhesives, Glass and Ceramics etc)
xii. Wood Adhesives
METHODOLOGY

This course is practical biased and will be taught through problem solving activities. A variety of methods shall therefore be used to teach the course.

These include:

- Lecture
- Demonstration
- Discussion
- Group presentation
- Educational visit
- Practical activities

MODE OF ASSESSMENT

The assessment shall be in the form of end of semester examination and continuous assessment. The end of semester examination will attract 60% whilst the continuous assessment will constitute 40% of the total marks.

REFERENCES

  Macmillan Press Ltd.
- Fierer, J.L. and G.R. Hutchings (1986) Carpenter y and building construction
  Macmillan Press Ltd.
