

Wollo University
kombolcha institute of technology
Department Industrial Engineering

Instructors	Dr. Haileluel M. ,Meaza E., Nigsite D. and Yared A.
Course Code	IEng5191
Course Title	Entrepreneurship for Engineers
Degree Program	B. Sc. in Electrical Engineering, Civil Engineering and Water Engineering
ECTS Credits	5
Course Objectives & Competences to be Acquired	After Successful completion of this course, students will be able to: ✓ Describe the process of Innovation, technology transfer & entrepreneurship as an activity originating from market need, the creative recognition of opportunity, and innovative problem solving in the business environment. ✓ Understand how innovation and competitive advantage contribute value to new business products and services. ✓ Understand the entrepreneurial traits and skills needed in entrepreneurial ventures. ✓ Evaluate the opportunities of a selected venture idea along with the constraints on its feasibility. ✓ Develop feasibility study and business plan
Course Description/ Course Contents	Course Outline: 1. The Entrepreneur and the Entrepreneurial Venture Entrepreneurs and Entrepreneurship, The Concept of Entrepreneurship, The Entrepreneur as an Individual, Creativity and Innovation 2. Creation of New Ventures Developing the Entrepreneurial Plan, Ideas versus Opportunities, Commercialization of technology-based innovation, Formation, development, and growth of technology-based new enterprises 3. International Technology Transfer and Multinational Enterprises, innovation Technology usage and adoption by SMEs, Promotion of technological development, Public regulation of technology transfers, Diffusion and Mechanisms of Technology Transfer, Intellectual Property Rights and the Appropriateness of Technology

	4. Assessing the Feasibility of a New Venture Assessment and Evaluation of Entrepreneurial Opportunities, Structuring the New Venture, Legal Structures and Issues, Sources and Types of Capital, Buying versus Starting a Business, Enterprise Marketing, Financial Management of start-up ventures 5. Growing the New Venture The Management Team, Strategic Planning, Managing Growth, Financing Growth, Developing a Team of Advisors 6. Risk and insurance of Business enterprises Definition of Risk, The process of Risk management, Classifying risks by Type of Asset, Insurance of the Small Business 7. Project work Feasibility Study and Business Plan	
Pre-requisites	None	
Semester	second	
Status of Course	Compulsory	
Teaching& Learning Methods	Lectures, test and projects with presentation	
Assessment/ Evaluation &Grading System	1.test 10% 2. Project with presentation 40 % 3. Final - Examination: 50% Total 100%	
Attendance Requirements	A minimum of 85 % attendance during lecture sessions	
Literature	1. Jeffdry A. Timmons, New Venture Creation, Entrepreneurship in the 1990's, 3rd ed. Irwin. 2. H.N. Broom, Small business management. 1983, 6 th edition. 3. Justin G. Longenecker and Carlos W. Moore, Small Business Management, 8th ed., College Division South Western Publishing Co Dallas, 1991. 4. Keith L.A Introduction to Business Enterprise 5. Ken R. Blawatt Entrepreneurship: Process and management, 1998	