

Multidisciplinary
Master in Sustainable Development

Abbreviated as MSD

PROPOSED
CURRICULUM

Submitted to
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Kathmandu University

School of Education

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Program Proposal for Faculty Board and Academic Council

Proposed Degree Title: *Multidisciplinary* Master in Sustainable Development

Program Title in Short: MSD

Degree awarding institution: Kathmandu University

School: Education

Discipline: Multidisciplinary

Medium of Instruction: English

Rationale

With least conflict, all agree that education at different levels serve for different interests to individuals' and a society or societies. It is believed that the foundations of behaviors are led quite early during schooling, where society is also a part of schooling. Behavioral induction and reinforcement of positive behavior thereby sustaining those desired behavior is one of the major aims of education; following it development comes as an impact. This indicates that 'Developmental' dynamism is another fascinating world from different perspectives. It is equally important for academia as the market demands a lot of professionalism within. Taking experiences of past program (Master of Education in Environment Education and Sustainable Development) at School of Education and with number of consultation workshops; tracer studies; we note an increasing demand of an interdisciplinary degree. This has set a rationale for a marketable and sellable 'Masters in Sustainable Development' degree program at KUSOED.

The global challenges like recession, social behaviors and conflicts, environmental challenges equally affect the humanity and challenge our future. More specifically we are facing problems in the area of natural resources, governances, peace, conflicts, behavior, livelihood and lifestyle, etc. It is becoming difficult to predict where the world would lead in absence of good environment and society. Tracking what Einstein said, 'The significant problems we face cannot be solved by the same level of thinking we used when we created them'. We need to have people and society who can think at different levels, and be a change agent. Sustainable Development (SD) is an emerging tool to develop critical thinkers, who can take the Environment, Society and Economy together in a complete harmony. The most important part of the society - indigenous and the associated knowledge pool - has been discarded in most of the program in Higher Education. This program is cautious to promote the culture,

indigenosity and associated intellectual property rights focused on 21st century agenda towards sustainable future for the entire world. With these entire contexts, this Regional Master's program in Sustainable Development will stand a sellable as well as marketable degree being offered by Kathmandu University, School of Education.

Key Features of the Program

The program will objectively carry the purpose held by Sustainable Development in line with global community concerns. So the program will focus on taking the scholars to a lifelong learning process that leads to an informed and involved citizenry having the creative problem solving skill, scientific and social literacy, and commitment to engage in responsible individual and cooperative actions (Council for Sustainable Development, 1992).

The process products - the graduates will contribute towards an environmentally sound and economically prosperous future from different professions and positions. Precisely the degree compliments towards developing professionals to work in the following sectors:

- a) Development /Sustainable Development Worker
- b) Conservations Educationist
- c) Experts for Environmental Governance, and Policy Analyst
- d) Environment Planner
- e) Development Educationist
- f) Teacher/Educators/Trainer

The program objective has the following characteristics:

- *Multidisciplinary* Master in Sustainable Development is the Regional Master's Program with interdisciplinary coverage targeted to cater services to the region after recognizing a deficit of such program in our region.
- The program is an interdisciplinary one with a thrust to produce educators, researchers, policy analysts, planners and trainers in the field of Sustainable Development.
- This is a University identified area/program with over five year of experience of producing graduates with Master in Environment Education and Sustainable Development working in different areas. The experience showed a

need of sellable as well as marketable degree. This degree program has all essential components to produce employee to self-employment portfolio.

- The international job market analysis has shown a steady increase of employment only in Sustainable Environment Sector/Job; this program will cater to produce the graduate for these demanding sectors.

Entry Requirements

A candidate with a graduate degree in any field (e.g. B. Ed. /B.Sc. /B Engg./PGDE or equivalent, with completion of 15 years of schooling) from an Institution/university recognized by Kathmandu University with second class standing or minimum 2.5 CGPA is eligible to apply. The scholars need to demonstrate their interest in the program and English language proficiency through an integrated entrance test followed by an interview set by the Department/School. Students getting to the next step of recruitment follow an online registration along with a Migration Certificate (as per KU regulations) from previous institution/University to get officially registered with Kathmandu University and the program.

Evaluation and Graduation

The course facilitator assigned with the course paper is entirely responsible for the evaluation. The in semester Continuous Assessment System (CAS) comprises 50% weightage and end semester Paper Based Test (PBT) carries the rest 50%. Students will be graded as the letter grade system in practice at KU. The grades and their corresponding impression have been presented below.

Grade	A	A-	B+	B	B-	C+	C	F
Grade Point	4.0	3.7	3.3	3.0	2.7	2.3	2.0	Below 2.0
Performance	Outstanding	Excellent	Very Good	Good	Satisfactory	Fair	poor	Fail

In order to pass, the scholar has to maintain at least C in individual course and a Cumulative Grade Point Average (CGPA) 3.0. The calculation of CGPA and their impression is as follow.

CGPA is calculated at the end of the program using the given relation.

$$\text{CGPA} = (c_1 g_1 + c_2 g_2 + c_3 g_3 \dots) / (c_1 + c_2 + c_3 \dots)$$

Where c_1, c_2, \dots denote credits associated with the courses taken by the student and g_1, g_2 denote grade values of the letter grades earned in the respective courses.

CGPA at the end of the degree defines the division as follows:

CGPA	Impression/Division
3.7 to 4	Distinction
3.25 to less than 3.7	First
3 to less than 3.25	Second
Less than 3	Fail

The entire requirement must be completed within the four year time frame irrespective of the credits completed in different semesters.

Structure of the Program

The courses under this program will be offered on semester basis with 15-18 credits of course load per semester as per implementation practices in Master's program at Kathmandu University. The course to be offered for each semester and the sequence has been defined after consolidating the thought and ideas/views of the curricularist, faculties' and other stakeholders (faculty board meeting) in line with the practices at Kathmandu University.

The program will follow a semester (six months) basis to deliver the courses. There will be four areas of course papers in line with the master's program structure offered at school of education. Full time students attend six days in a week; additional a day (Saturday) is marked as make up day for any additional inputs required during the scholarly exercise.

Core Courses 06 Credits	Specialization Courses 39 Credits	Elective Courses¹06 Credits	Practical Courses 09 Credits
2 Courses	13 Courses	2 Courses (3*2=6 Credits)	Compulsory Course
3*2=6 Credits	Compulsory Courses (3*13=39 Credits)	Select 2 Courses from the pool	2 Courses (6+3=9 Credits)
1. EDUC 508 Theory and Practice in Education	1. EDSC 510 Fundamentals of Environment 2. EDSC 511 Introduction to Global Change 3. EDSD 512 Fundamentals of Sustainable Development 4. EDSD 513 Statistical Techniques for Research	1. EDSD 524 Natural Resource Management and Environmental Ethics 2. EDSD 529 Education for Sustainable Development 3. EDSD 530 Conservation Management 4. EDSD 533 Global Climate Change 5. <i>EDSD 534 Policy and Planning for Sustainable Development</i> 6. <i>EDSD 535 Diversity and Local Cosmology in Sustainable Development²</i> 7. EDSD 536 Education for Social Transformation 8. EDSD 537 Discourses of Education and Development 9. EDSD 538 Globalization and Emerging Institution 10. EDSD 539 Management and Leadership in Sustainable Development 11. EDSD 542 Community Research 12. EDSD 543 Community Activity 13. EDSD 545 Independent Study 14. EDSD 532 International and Comparative Perspective in Sustainable Development	1. EDSD 541 Internship (03 Credit) 2. EDSD 559 Dissertation (06 Credits) Or ³ a. EDSD 544 Research Project I (03 Credit) b. EDSD 554 Research Project II (03 Credit)

ED/EDUC= Education; SD=Sustainable Development; SC=Science; EN=Engineering

¹ Students can go for 2 courses (2 electives) from wide range of elective courses/pool based upon the availability (offer) with prior approval from the Department.

² The courses marked in italics have been planned for offer to year 2014 enrollment.

³ Students can either go for a dissertation or undertake two research projects I and II

Course Descriptions

Each proposed course has its title and a brief description of the course. An explicit description of each course, its intends/ coverage will be gradually developed with further consultations. Each course⁴ is of three (03 credits), and a split of credit (Theory +Practical) has also been marked based on the nature of the course paper.

Core Courses (06 Credits to be offered from here)

1. Course Title: Theory and Practice in Education: 03 Credits

Course Code: EDUC 508

EDUC 508: Theory and Practice in Education: 03 Credits

Nature of the Course: Theory and Practical (2+1)

Course Description

This course is about linking educational theories into practices. Educational theories seek to know, understand, prescribe and apply into educational practices. This course includes topics such as ethics of belief, politics, social values, pedagogy, andragogy, curriculum, learning, teaching, policy, plan, leadership and culture. The course also includes different premise for twenty first century education. Selected theories of education will be discussed to capture the different dimensions of educational thoughts. During the course of the study, students are expected to relate these perspectives, principles and thoughts in the development of education. The main aim of the course is to widen the horizon of the knowledge and ideas of students so that they could be able to identify day to day educational problems and issues associated with certain theories, principles and philosophies of broad spectrum of educational landscape.

2. Course Title: Research Methodology: 03 Credits

Course Code: EDUC 509

EDUC 509: Research Methodology

Nature of the Course: Theory and Practical (2+1)

Course Description

This course is an introduction to research methodologies used in social science. Students are introduced to systematic scientific inquiry in social science environment.

⁴ Except EDS 559 Dissertation.

Student will also learn and practice different approaches to conducting research. The course covers quantitative as well as qualitative types of research. Students will also participate in field activities as a part of the course.

Specialization Courses (45 Credits to be offered from here)

Compulsory Area 39 Credits (13 Courses; S.N 3-15)

Students acquiring degree in the program must get 39 credits from this section from the courses offered by the department/school.

3. Course Title: Fundamentals of Environment: 03 Credits

Course Code: EDSC 510

EDSC 510: Fundamentals of Environment

Nature of the Course: Theory and Practical (2+1)

Course Description

The foundational courses are important to build up anticipation and establish a strong base to build up knowledge on the subject. This course intends to develop specific knowledge base of the students on ecological concepts, principles and theories to better understand different aspects of environmental sustainability. This course will be an important foundational course for the students from cross discipline whereas the students from natural science and applied sciences will see the environment and ecology from social perspectives/ socio-ecological dimensions.

Besides preparing the scholars to get ready into the elementary concepts of environment; the course will equip the scholars with environmental literacy on: Ecological principles and concepts (components of ecosystems, ecosystem types and biomes; Atmosphere-hydrosphere-lithosphere-biosphere continuum; relationships and food chain/web); Ecological/physiographic zones of Nepal; Biogeochemical cycles; Environment - definitions & concepts, types and inter-linkages; Natural resources & their importance/uses, etc.

4. Course Title: Introduction to Global Change: 03 Credits

Course Code: EDSC 511

EDSC511: Introduction to Global Change

Nature of the Course: Theory and Practical (2+1)

Course Description

This course deals with the contemporary issues of global change which includes the consequences of development from globalization, global changes to specific climate change issues. The course focuses to internalize the challenges created by the human kind to the environment – Climate Change; on different scales and sectors. This prepares students for understanding of climate sciences details and political and social movements and negotiation around it.

Precisely followings areas come as major focus of discussion in its contents :
 Concepts and temporal and spatial scales; Global agendas; Components of global change (land degradation/desertification, biodiversity loss, climate change, water crisis, food crisis); Greenhouse gases and carbon trading; Environmental degradation and sustainability; Pesticides and hazardous wastes; International initiatives (conventions, treaties, protocols); within and cross-issue linkages between local and global scales; synergies of global change; Indigenous Traditional/Technological Knowledge (ITK), etc.

5. Course Title: Fundamentals of Sustainable Development: 03 Credits

Course Code: EDSD 512
 EDSD 512: Fundamentals of Sustainable Development
 Nature of the Course: Theory (3)

Course Description

The course intends to develop a knowledge base on Sustainable Development of students pursuing this course; that includes its concepts, historical development of the concept, principles, theories and practicality. This course will be a foundational and anticipating course to develop an aptitude and understanding on the Sustainable Development. The elementary concept prepares the scholars for increased understanding of complex developmental phenomena and theories. The inter-linkage, indicators of Sustainable Development, Goals of Sustainable Development (SDGs), defining development and different practices from sustainability perspective will be the main component within the course work.

6. Course Title: Statistical Techniques for Research: 03 Credits

Course Code: EDSD 513

EDSD 513: Statistical Techniques for Research

Nature of the Course: Theory and Practical (1+2)

Course Description

This course aims at students' basic knowledge and skills of statistics in the field of scientific research. Students will learn about most widely used statistical tools and use them for making meaningful interpretation in research. The use of statistics has its own conventions, strengths and limitations. Students will also be able to define the needs of statistics as a means to get their questions answered in different situations/issues. Students will be able to use descriptive and inferential statistical measures in answering/defining the issue undertaken for the study.

The course will equip students to use/calculate descriptive and inferential measures and make their interpretations in line to the issue under study. Student will be able to use the common computing application to entry the data and calculate the statistical measure of interest.

7. Course Title: Sustainable Enterprises and Entrepreneurship

Course Code: EDSD 520

Course Code: EDSD 520: Sustainable Enterprises and Entrepreneurship

Nature of the Course: Theory and Practice (2+1)

Academic degree not only prepares one as an employee but also foster employability preparing one for entrepreneurship. The modern world provides different form of enterprising opportunities ranging from knowledge entrepreneurship, service entrepreneurship, to material entrepreneurship. This course prepares students as visionary leaders for taking a strategic move on the designing, leading, controlling/managing a successful enterprise. The course along with the theoretical underpinnings of entrepreneurship also brings cases of practical examples of successful entrepreneurs. The course covers a wide dimension of entrepreneurship from social to commercial aspects including emerging participatory practices of community led entrepreneurship practices. The second part of the course focuses on sustainable entrepreneurship skills for the competitive globe.

8. Course Title: Human and Environment: 03 Credits

Course Code: EDSC 521

EDSC 521: Human and Environment

Nature of the Course: Theory and Practical (2+1)

Course Description

This course is designed to create a realization of human dependence on environment. The course feeds the scholars on the boomerang relationship in between environment and human highlighting different negative impacts of human activities on environment and vice-versa. It covers the scenarios from human development, migration, settlement, and present status. The course explicitly covers environmental dimension of development, economy, human and environmental health.

The major study areas in the course are as follows: Human evolution and population change; Human dependence & influence on environment; Development activities and impacts on environment (agriculture, industry, infrastructure, and air, water, land pollution and resource degradation); Socio-cultural, gender and economic aspects of human impacts on environment; Environmental impacts & human health (technology-population interaction, disease ecology, water-borne diseases, demographic transition); Occupational health & hazards; etc.

9. Course Title: Environmental Management: 03 Credits

Course Code: EDSC 522

EDSC 522: Environmental Management

Nature of the Course: Theory and Practical (2+1)

Course Description

This course aims to provide the management concepts in environment sector. It includes the different approaches; social/participatory, technical and scientific approaches and relevant study and preparation on the area of Environmental Management.

This includes the following areas: Management concepts; Environmental planning, policies, taxation, laws/regulations; Environmental management tools: IEE, EIA, SEA, etc ; Techniques :Soil and water conservation; Soil Management; Steep Land Management; Forest management; Ecotourism; Water pollution and control; Waste

water treatment; Solid waste management; Air, sound pollution monitoring and control; Clean energy alternatives Alternative technologies and practices. The course work in addition includes concepts on Disaster Risk Reduction and Management, focused to Environmental dimensions.

10. Course Title: Economics of Sustainability: 03 Credits

Course Code: EDSD 523
 EDSD 523: Economics of Sustainability
 Nature of the Course: Theory (3)

Course Description

Economy has been one of the major driving forces for societies. Student will develop understanding on the changes accelerated by the economy and its long term impacts. Economy as a motivating factor has positive as well as negative consequences to the society; understand the nature, scope, and influents governing economy will be one of the major thrusts of the course. The essence of economic sustainability in justice to society and environment will also be a part of the course.

The course will focus for conceptual clarity about economics;

- This course paper starting with the basic of economic range to sustainable economic approaches
- Basic concept and development of economics
- Macro to micro economics.
- Economic policies and politics and instruments for application; Green Tax, Polluters Pay Principle (PPP), etc.
- Green economy/jobs
- Economic sustainability approaches and theories, etc.

11. Course Title: Gender, Ethnicity and Social Inclusion: 03 Credits

Course Code: EDSD 525
 EDSD 525: Gender and Social Inclusion
 Nature of the Course: Theory (3)

Course Description

This course contains the concepts of social justice/injustice in consumption and distribution of resources and practices in the society.

The following areas of study will help students to identify the nature of environment justice: Types of natural resources; Distribution and availability by physiographic regions; Economic valuation of resources; Consumption & distribution of resources (governance, equity, equality and gender roles); Feminism, Environmental ethics and civic responsibility; ethnicity, ethnicity and environment, environmental justice, conflicts, human rights and social inclusion & justice.

12. Course Title: Sociology of Sustainable Development: 03 Credits

Course Code: EDSD 526

EDSD 526: Sociology of Sustainable Development

Nature of the Course: Theory (3)

Course Description

Sustainable development and Sustainable Development Goals (SDGs) are coming up as a developmental agenda for the 21st century. There are some challenging areas identified by the society over Millennium Development Goals (MDGs) and they need to be addressed promptly for better world and humanity. Human beings with social instinct have different positions for different changes and challenges. This course intends to equip the scholars with the latest information in these areas from individual to societal dimension. It even brings different sociological perspectives to developments.

The course will enable the scholars to have a thorough knowledge on:

- Culture, space and people and development /sustainable development
- Global agenda, society their interaction in the narrow world (eg. Communicative theory, one world initiatives, 'The Home' concept).
- Geography, natural and human resources and human dimension;
- MDGs to SDGs (for Post MDGs)

13. Course Title: Project Management for Development Results: 03 Credits

Course Code: EDSD 527

EDSD 527: Project Management for Development Results

Nature of the Course: Theory and Practical (2+1)

Course Description

Despite having many good things, the globe holds piles of issues to be intervened to have meaningful resolutions. Projects are key interventions to make a spark or initiate the changes. But it demands a careful design, implementation and management of the result during its entire process. This course focuses to equip the students with all these faces of project under the project management course paper.

The course paper covers following broad areas:

- a) Concept of development planning; Historical and theoretical perspectives of project
- b) Project design,
- c) Project implementation
- d) Monitoring and evaluation
- e) Result management

14. Course Title: Communication in Sustainable Development: 03 Credits

Course Code: ESDS 528

ESDS 528: Communication in Sustainable Development

Nature of the Course: Theory and practical (2+1)

Course Description

This course is designed to develop skill and understanding about professional communication at individual level to organizational level (reporting) including public communication. Students will be able to make formal communication within organization, communicating to stakeholders, reporting, disseminating information through different form of means and media. The course prepares the scholars to take different roles as an employee in different institutions; from a teacher, a facilitator, and animator. This course intends to equip the scholars with teaching learning skills as a teacher/mentor/facilitators/trainer. In addition to this, it will equip the professionals to have evaluations, and taking feedback (principles and procedures) for enhancing their professional capacities.

Report writing and communicating reports effectively to different forums is essentially an important skill and art. The course prepares the student to work out to produce the most effective professional communication in development sector.

Negotiations, conflict management communications are other important part of this course work.

15. Course Title: Technology in Sustainable Development: 03 Credits

Course Code: EDEN 531

EDEN 531: Technology in Sustainable Development

Nature of the Course: Theory and Practical (1+2)

Course Description

Technology has not only ease people's lifestyle but has been an effective tool to address various social issues. On the other hand, it is even amplifying the disparity in the societies creating challenges like intellectual property, e-crime, digital divide, etc. These two dimensions and utilitarian values of technology in sustainable development will be the main thrusts of this course.

- The course focuses on the theoretical aspects of technology and its application and challenges (Basics, Digital Literacy, Digital states and Digital Divide issue, Personal to Transboundary technical sabotage and crimes).
- The second part of the course will focus to take the practical advantage of ICT/computer as a sustainable development tool and most commonly used applications (GIS; Aid Data Methodology; Mapping; tracking development; Global projects database; Technology and development index; etc).
- Technology and its use as a development indicator.

Elective Courses: 03 Credits

Students select one course paper from this group.

**1. Course Title: Natural Resource Management and Environmental Ethics:
03 Credits**

Course Code: EDSD 524

EDSD 524: Natural Resource Management and Environmental Ethics

Nature of the Course: Theory (3)

Course Description

Physically and biologically the earth is a closed system. We have enough resources to use but this demands an effective management. The induced scarcity should have an

end and we should have relatively equitable society, which has not been to present. In addition to the basic principle and practices of Natural Resource Management (NRM) the concerns of Bio-ethics followed by environmental ethics, social justice, integrity, and its interlink will be mainly delivered in this course.

This course includes the concepts of social justice in consumption and distribution of resources. The following areas of study will help students to identify the nature of environment justice: Types of natural resources; Distribution and availability by physiographic regions; Economic valuation of resources; Consumption & distribution of resources (governance, equity, equality and gender roles); Environmental ethics and civic responsibility; Environmentalism, environmental justice, conflicts, human rights and social inclusion and justice.

2. Course Title: Education for Sustainable Development: 03 Credits

Course Code: EDSD 529

EDSD 529: Education for Sustainable Development

Nature of the Course: Theory and Practical (1+2)

Course Description

The course aims at developing practical and theoretical understanding of Conservation Education and Sustainable Development for different institutions and parts of the society. Covering the issue of planning; methods and techniques; and evaluation, the course aims at enhancing analogical, pedagogical and andragogical skills for professionalism as change agents. The course also aims equipping the students with the knowledge and skills of material adaptation and development and their use in the effective delivery of contents and skills to their audience.

The course covers different delivery and tool development skills for ESD: Facilitations skills; Planning for training and delivery; Training skills; Classroom teaching and Community delivery; and their differences. The Practical work include: Need assessment, need identification, module designing, collecting and adapting materials and delivery in for ESD contents.

3. Course Title: Conservation Management: 03 Credits

Course Code: EDSD 530

EDSD 530: Conservation Management
Nature of the Course: Theory and Practical (2+1)

Course Description

Through this course, the students will be familiarized with the existing conservation strategies and protected area management such as national parks and reserves around the globe and in Nepal. They will be oriented on the need and the strategies of conserving such areas. The course includes geographical factors, social factors, ecological factors and economic factors of the need of the conservation and the strategies of the conservation.

The course intends to cover

- World Conservation Strategy (WCS) and its progress
- Conservation principles
- Conservation policies and practices across the region (South Asia)
- Sectoral conservation strategies of Nepal
- Nepal Plans; Protected areas practices and challenges
- Buffer zone management; Managing human animal conflict

4. Course Title: Global Climate Change: 03 Credits

Course Code: EDSD 533
EDSD 533: Global Climate Change
Nature of the Course: Theory and Practical (2+1)

Course Description

Conventional development mostly comes as an alarm for environment. Global climate change is one major issue within environmental concern closely aligned to development. This course is intended to clarify the interrelationship between the developments, environment; more specifically global climate change. It will focus on consolidation of the candidates' understanding related to the environmental issues and sustainable development. The candidates will enhance their knowledge and skills on professional techniques related to the facilitating developmental activities while maintaining the environment.

The course equips the students on Climate Science and knowledge and skill to understand different information of climate science. Equally the scholars will be able to interpret the technicality of climate science and describe its meaning to all towards taking adaptive/mitigative/resilience strategy for CC risk management.

5. Course Title: Policy and Planning for Sustainable Development: 03 Credits

Course Code: EDSD 534

EDSD 534: Policy and Planning for Sustainable Development

Nature of the Course: Theory and Practical (2+1)

Course Description

Environment is our important dwelling. Natural system is interdependent where humans are more dependent on nature. This fact considers human being as an important caretaker of the earth. The individual indifference towards environment has set out various challenges. This demands a higher level enforcement of regulations in forms of policy and plans. This area of environmental management requires strategic knowledge on policy development, planning and management. The course practically trains the graduates to become good planners/policy makers/managers in making and implementing policies on Environment and Sustainable Development sector.

This course provides the students with the conceptual ideas of planning process, focused on strategies and situation analysis. The candidates will be made familiar with the essence of strategic environmental planning. Apart from theoretical understanding, the candidates will be required to develop a sample planning in groups.

It covers global environmental agenda, policies and initiatives; National environmental agenda, policies and initiatives; Global and local politics and influence (the negotiation process); Environmental policy practices; Environmental planning, good practices (cases); Environmental conflict and its management, etc.

6. Course Title: Diversity and Local Cosmology in Sustainable Development: 03 Credits

Course Code: EDSD 535

EDSD 535: Diversity and Local Cosmology in Sustainable Development

Nature of the Course: Theory (3)

Course Description

Sustainable development doesn't have an easy definition when it comes to address all dimensions of society and its inter-linkages. The course will acquaint the scholars with sustainable development and its perspective on local cosmology including different local practices. It explicitly makes a discourse of local cosmology vs western knowledge pool relating to the dynamics of development and its upbringing.

The course will enable the scholars to understand

- Developmental dynamics and history
- Local cosmology and related practices and its link to the environment, development, culture and society.
- Different forms of diversity
- Process of diversity with environment, development and society
- Induction of development, subculturizations..

7. Course Title: Education for Social Transformation: 03 Credits

Course Code: EDSD 536

EDSD 536: Education for Social Transformation

Nature of the Course: Theory (3)

Course Description

Geography, culture, practices and many other things have shaped our attitudes and behaviors. The study has already revealed that education stands as the most efficient means to change the people and societies mindsets. In this experience, how education can stand meaningful for transforming the society is an important answer to be explored. The course intends to prepare and practically feed the graduates to work for societal transformation through education. The broad areas include;

- What is transformation
- Social transformation
- Role and contribution of education in social transformation

8. Course Title: Discourses of Education and Development: 03 Credits

Course Code: EDSD 537

EDSD 537: Discourses of Education and Development

Nature of the Course: Theory (3)

Course Description

This course is designed to enhance the graduates' skill to project and discuss environment issues logically and practically over all other aspects of modernization of life. The candidates will be required to prepare and present a seminar paper. They will also critique on the seminar papers presented by their colleagues.

The broad areas include;

- Different dimensions of education
- Relationship between education and development

9. Course Title: Globalization and Emerging Institutions: 03 Credits

Course Code: EDSD 538

EDSD 538: Globalization and Emerging Institutions

Nature of the Course: Theory and practical (1+2)

Course Description

This course intends to inculcate a sense of stewardship in candidates for the protection and conservation of Mother Earth enabling them with the exposure to human, organizational attributes. The course paper deliberately focuses on spotting the cases and practices of some emerging institutions and their culture of practices.

The broad contents of the course include:

- Globalization of Education
- Globalizations- developing culture and subcultures.
- Education, human resource, capability approach and development/globalization
- Basics to Human Resource Management (HRM), organization attributes and types;
- Leadership;
- Different forms of Institutions including international institution,

10. Course Title: Management and Leadership in Sustainable Development: 03 Credits

Course Code: EDSD 539

EDSD 539: Management and Leadership in Sustainable Development

Nature of the Course: Theory (3)

Course Description

The scholars dealing with education and development sectors have to involve themselves in management, leadership, and coordination in one or the other way. This course provides basics understanding in practical management and leadership skills to the scholars.

11. Course Title: Community Research: 03 Credits

Course Code: EDSD 542

EDSD 542: Community Research

Nature of the Course: Theory and Practical (1+2)

Course Description

This course has been designed to develop understanding through research capability on key aspects of community characteristics with respect to environment and development. The course also intends to apply theoretical knowledge concerning school, community and research and interplay among them into practice. This is a practical course for students to work closely with the communities that are the stakeholders of the environment, development and social agents and its use. Students will work in individual, design and carry out a research to find the root cause of prevailing social/community problem. They will report the findings in a document and also share them in a seminar.

This course will encourage student to explore different practices and various needs of the community. The course will provide the concept of research more focused on common tools of community research. Students will carry out a research as a practical task in the area of sustainable development: environment; environment education; sustainable development; local development; economic sustainability at local level; and in broader area of sustainable development within the community. Concisely the course steps through;

- general overview of research
- the principles and techniques of community research
- provide an in-depth concept of survey methodology and design
- enable the students to design a survey plan and conduct it.
- enable the students to interpret and analyze data and present a report.

12. Course Title: Community Activity: 03 Credits

Course Code: EDSD 543
 EDSD 543: Community Activity
 Nature of the Course: Practical (3)

Course Description

This course aims at involving the graduates in real environment conservation activities and situations. The candidates will plan and prepare for a community activity and implement their plans in a community in Nepal. This activity will be a group undertaking and the assessment of the work will be done on the basis of the plan, execution, and the footprint left by the program in the locality compared with the report submitted by the students.

The course aims to have a real time experience of explicit information on the issues and challenge getting one self to the field. This course will be a first step preparation towards problem/project/discovery based learning. It will explicitly train the scholars to different situations and develop a thirst towards research based inquiry.

13. Course Title: International and Comparative Perspective in Sustainable Development: 03 Credits

Course Code: EDSD 532
 EDSD 532: International and Comparative Perspective in Sustainable Development
 Nature of the Course: Theory (3)

Course Description

Comparative study always has an advantage. This course will prepare the student to get into the comparative study in the area of Sustainable Development.

The broad area includes comparative and cross-cultural study of sustainable development practices in different countries, regions and areas. It includes the different development theories and ideas prevailing in scholarly and practical world.

14. Course Title: Independent Study: 03 Credits

Course Code: EDSD 545
 EDSD 545: Independent Study
 Nature of the Course: Self Directed and Supervised Study (3)

Course Description

This course aims at enhancing the ability of gaining knowledge and skill through self-attempts. This course is a reading course designed to enhance ability of the students to feed and update them on their personal thrust in the area. The course encourages the students to search the information and knowledge through the different learning modes.

This is a need and context based course in which students undertake a study on the prescribed title by the department. The course prepares the scholar to march independently towards the doing and learning local culture.

Practical Courses; 09 Credits (Regular to all program)

1. Course Title: Internship/ Field Work: (03 Credits)

Course Code EDSO 541

EDSO 541: Internship/ Field Work

Nature of the Course: Practical (Learning in Real Work Situation)

Course Description

Internship is organized to provide opportunity to students to practice the learned knowledge and skills in their specialization in a real work situation. Students would be trained to adopt and be able to contextualize their knowledge on guided exposure to real work situation. Objectives, outcomes and activities of the internship program is developed by the individual student under the guidance of work supervisor and approved by the internship coordinator assigned by School of Education. Credit cannot be given for an internship or similar work for previously completed activity. After the completion of the course, students should be able to:

- Plan objectively and work independently.
- Adjust them and contextualize their learning.
- Receive feedback and develop professional skills.
- Be communicative and build up organization culture.
- Experience learning by doing.
- Understand and pay an attention to work.

2. Course Title: Dissertation

Course Code EDSO 559

EDSO 559: Dissertation

Nature of the Course: Practical (6 Credit Supervised Research Report)

Course Description

This research course prepares scholars for a complete research. They undertake an issue of interest under the guidance of the assigned supervisor after defending it in the Research Committee. Students during/after the course will be able to make an independent study on their area of interest.

Or

Two Research Projects (06 Credit)

The Research projects are common across all master's program. The department decides/approval for the research project. Following an approval student carry out the research project mentored by the course facilitator.

a. Course Title: Sustainable Development Research Project I (03 Credits)

Course Code EDSO 544

EDSO 544: SD Research Project I

Course Description

The course aims at step by step facilitation and development of research skills to the students. The Research Project I trains the scholars towards understanding the practical aspects of research thereby developing competency to make all preparation to get into the world of the research. Students by the end of the course will make a complete research proposal and get all ground preparations for the start of research.

b. Course Title: Sustainable Development Research Project II (03 Credits)

Course Code EDSO 554

EDSO 554: SD Research Project II

Course Description

Students after acquiring the understanding of research and developing the proposal as mandate by EDSD 544 will get into the real world of research. Students by the end of the course will be able to develop, conduct and report a research study independently.