



**TRIBHUVAN COLLEGE
OF
ENVIRONMENT & DEVELOPMENT SCIENCES
NALANDA UNIVERSITY CENTRE, NEEMRANA**



Program Structure

B.A. (Hons) Sustainable Development Studies

Academic Year: 2024-25 Onwards

Department of Humanities and Social Sciences

**Tribhuvan College of Environment and Development Sciences
Nalanda University Centre, Neemrana, Rajasthan-301705**



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B.A. (Hons) Sustainable Development Studies
Program Structure

Sr. No.	Heading	Particulars
1	Title of the Course	B.A. (Hons) Sustainable Development Studies
2	Eligibility for Admission	12th or Equivalent
3	Passing Percentage	40%
4	Semesters	I to VIII
5	Level	UG
6	Pattern	Semester (04 Years/08 Semesters as per NEP)
7	To be implemented from	Academic Year 2024-25 (in a progressive manner)



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SEMESTER I

Course Code	Course Title	Type/Stream	Credit (L+T+P)
SDS101	Introduction to Sustainable Development	Major	3 (3+0+0)
SDS102	Basics of Earth Science	Major	3 (3+0+0)
SDS103	Ecology, Ecosystem and Biodiversity	Major	4 (3+0+1)
EMS101	Ecosystems and Sustainability	Minor	4 (3+1+0)
MDC101	Foundation Course in Mathematics	Multidisciplinary	3 (3+0+0)
AEC101	English Communication Skills-I	Ability Enhancement	2 (2+0+0)
SEC101	Fundamentals of Computer Science	Skill Enhancement	3 (2+0+1)
VAC101	Constitutional Values, Rights and Duties	Value Added	2 (2+0+0)
Total Semester Credits			24

SEMESTER II

Course Code	Course Title	Type/Stream	Credit (L+T+P)
SDS201	Sustainable Development Dimensions	Major	4 (3+1+0)
SDS202	Geography of India and Sustainability Issues	Major	3 (3+0+0)
SDS203	Principles of Micro-Economics	Major	3 (3+0+0)
EMS201	Climate Change Policy Frameworks	Minor	4 (3+1+0)
SEC201	Python Programming	Skill Enhancement	3 (2+0+1)
AEC201	English and Communication Skills – II	Ability Enhancement	2 (2+0+0)
VAC201	Introduction to Indian Knowledge System	Value Added	2 (2+0+0)
Total Semester Credits			21
UG Certificate Credits			45



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SEMESTER III

Course Code	Course Title	Type/Stream	Credit (L+T+P)
SDS301	Sustainable Development Drivers and Capitals	Major	3 (2+1+0)
SDS302	Fundamentals of Remote Sensing	Major	3 (2+0+1)
SDS303	Fundamentals of Macro-Economics	Major	3 (3+0+0)
EMS301	Climate Resilience and Adaptation of Natural Resources	Minor	4 (3+1+0)
MDC301	Innovation and Entrepreneurship	Multidisciplinary	3 (2+1+0)
SEC301	Artificial Intelligence and Machine Learning	Skill Enhancement	3 (2+0 +1)
AEC301	Academic Writings	Ability Enhancement	2 (2+0+0)
VAC301	Health and Wellness	Value Added	2 (2+0+0)
Total Semester Credit			23

SEMESTER IV

Course Code	Course Title	Type/Stream	Credit (L+T+P)
SDS401	Social Contexts in Sustainable Development	Major	3 (3+0+0)
SDS402	Natural Resource Management and Sustainability Challenges	Major	4 (3+1+0)
SDS403	GIS, Satellite Based Navigation & Applications	Major	3 (2+0+1)
EMS401	Occupational Health Hazards, Safety and Compliance	Minor	4 (3+1+0)
AEC401	Basics of Intellectual Property Rights	Ability Enhancement	2 (2+0+0)
VAC401	Ethics and Values	Value Added	2 (2+0+0)
SIS401	Summer Internship	Major	3 (0+0+3)
Total Semester Credits			21
UG Diploma Credits			89



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SEMESTER V

Course Code	Course Title	Type/Stream	Credit (L+T+P)
SDS501	Agriculture Systems and Sustainability	Major	3 (3+0+0)
SDS502	Environmental Economics	Major	3 (3+0+0)
SDS503	Environmental Laws, Policies and Governance	Major	3 (3+0+0)
SDS504	Landscape Ecology	Major	3 (2+0+1)
SDS505	Environmental Hazards and Disaster Management	Major	3 (3+0+0)
EMS501	Restoration Ecology	Minor	4 (3+1+0)
MDC501	Statistics and Data Analysis	Multidisciplinary	4 (3+0+1)
Total Semester Credits			23

SEMESTER VI

Course Code	Course Title	Type/Stream	Credit (L+T+P)
SDS601	Indigenous Knowledge Systems and Sustainability Dimensions	Major	2 (2+0+0)
SDS602	Models in Sustainable Development	Major	2 (2+0+0)
SDS603	Rural and Regional Sustainability	Major	3 (3+0+0)
SDS604	Social Impact Assessment	Major	3 (2+1+0)
SDS605	Communication in Sustainable Development	Major	3 (3+0+0)
SDS606	Urban Ecosystems and Sustainability	Major	3 (3+0+0)
EMS601	Desert Ecology and its Restoration	Minor	4 (3+1+0)
Total Semester Credits			20
UG Degree Credits			132



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SEMESTER VII

Course Code	Course Title	Type/Stream	Credit (L+T+P)
SDS701	Concepts on CSR and ESG	Major	4 (3+1+0)
SDS702	Environmental Impact and Risk Assessments	Major	4 (2+1+1)
SDS703	Globalisation, Development and Sustainability	Major	3 (3+0+0)
SDS704	Research Methodology	Major	4 (3+1+0)
SDS705	Development of Dissertation Proposal	Major	-
EMS701	Circular Economy and Life Cycle Assessment	Minor	4 (3+1+0)
EMS703	Environmental Management and Auditing	Minor	4 (3+1+0)
Total Semester Credits			23

SEMESTER VIII

Course Code	Course Title	Type/Stream	Credit (L+T+P)
SDS801	Dissertation	Major	20 (0+0+20)
Total Semester Credits			20
UG Hons. Degree with Research Credits			175



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OVERALL STRUCTURE OF 4-YEARS

B.A. (HONS)

SUSTAINABLE DEVELOPMENT STUDIES PROGRAM

Major Curriculum Components	Total Credits
Major Stream Courses	85
Minor Stream Courses	32
Multidisciplinary Courses (MDC)	10
Skill Enhancement Courses (SEC)	09
Ability Enhancement Courses (AEC)	08
Value Added Courses (VAC)	08
Summer Internships	03
Dissertation	20
Total B.A. (Hon) SDS Credits	175

Note:

- 1) Practical will be based on the theory courses taught during the semester (only applicable to courses that require practical components).
- 2) For a gold medal, a student has to pass all the subjects (major, minor stream, multidisciplinary, skill enhancement, ability enhancement, value-added course).