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राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भुवनेश्वर

परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान

NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHUBANESWAR

(An autonomous research institution under Department of Atomic Energy, Govt. of India)

SCHOOL OF EARTH AND PLANETARY SCIENCES

PhD COURSE STRUCTURE

Existing Structure

ODD SEMESTER

Sl. No.	Course Code	Course Name	Credit
1	xxxx	Theory-1*	4
2	xxxx	Theory-2*	4
4	EPS700	RM&RPE	4
Total Credit per semester			**12**

EVEN SEMESTER

Sl. No.	Course Code	Course Name	Credit
1	xxxx	Theory-3*	4
3	EPS641	Practical Course/Field Work	2
4	EPS699	Mini Research Project	6
Total Credit per semester			**12**

**As recommended by the student's monitoring committee/standing academic committee from the list of approved (SEPS) theory courses*

Proposed New Structure

Summer Admissions

Semester 1

Sl.	Course Code	Course Name	Credit
1	xxxx	Theory-1*	4
2	xxxx	Theory-2*	4
4	EPS700	RM&RPE	4
Total Credit per semester			**12**

Semester 2

Sl.	Course Code	Even Sem	Credit
1	xxxx	Theory-3*	4
3	EPS641	Practical Course/Field Work	2
4	EPS699	Mini Research Project	6
Total Credit per semester			**12**

**As recommended by the student's monitoring committee/standing academic committee from the list of approved (SEPS) theory courses*

Winter Admissions

Semester 1

Sl.	Course Code	Course Name	Credit
1	xxxx	Theory-1*	4
2	xxxx	Theory-2*	4
4	EPS641	Practical Course/ Field Work	2
Total Credit per semester			**10**

Semester 2

Sl.	Course Code	Even Sem	Credit
1	xxxx	Theory-3*	4
3	EPS700	RM&RPE	4
4	EPS699	Mini Research Project	6
Total Credit per semester			**14**

**As recommended by the student's monitoring committee/standing academic committee from the list of approved (SEPS) theory courses*

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List of approved courses for SEPS PG programme

Sl. No.	Course Code	Course Name
1	EPS601	Introduction to Earth Sciences
2	EPS602	Introduction to Atmospheric and Oceanic Sciences
3	EPS603	Introduction to Planetary Sciences
4	EPS641	Practical Course/Field Work
5	EPS651	Mineralogy and Crystallography
6	EPS652	Igneous and Metamorphic Petrology
7	EPS653	Sedimentology and Stratigraphy
8	EPS654	Geochemistry and Geochronology
9	EPS655	Geophysics
10	EPS656	Remote Sensing and GIS
11	EPS657	Structural Geology
12	EPS658	Palaeontology
13	EPS659	Economic Geology
14	EPS660	Hydrogeology
15	EPS661	Physical Geology
16	EPS662	Uranium Geology
17	EPS666	Geophysical Fluid Dynamics
18	EPS667	Atmospheric Boundary Layer Meteorology and Air Pollution Modelling
19	EPS668	Tropical Meteorology
20	EPS669	Cloud Micro-Physics
21	EPS670	Atmospheric Thermodynamics and Convection
22	EPS671	Atmospheric Aerosols and Chemistry
23	EPS672	Climate and the Terrestrial Biosphere
24	EPS673	Ocean Biogeochemistry
25	EPS674	Atmospheric Radiative Transfer
26	EPS675	Physical Oceanography
27	EPS676	Paleoclimatology
28	EPS677	Numerical Prediction of the atmosphere and the ocean
29	EPS678	Techniques of Weather Prediction
30	EPS681	Astrochemistry and Astrobiology
31	EPS682	Formation and evolution of planetary system
32	EPS683	Exoplanets
33	EPS684	Planetary atmosphere and space weather
34	EPS685	Planetary surface processes
35	EPS686	Planetary Geophysics
36	EPS687	Planetary Geochemistry and Geochronology
37	EPS688	Seismology