NAVOI STATE UNIVERSITY

UG11209 GENERAL PHYSICAL GEOGRAPHY — COURSE SYLLABUS

Department of Geography | 60530200 Geography Programme

COURSE PASSPORT & ACADEMIC METADATA

Course Title:	Course Code:
General Physical Geography	UG11209
Course Type:	**Field of Study:**
Compulsory Course	500000 Natural Sciences, Mathematics & Statistics / 530000 Physics & Natural Sciences
Programme:	**Academic Year:**
60530200 Geography	2025–2026
Semester:	**Form of Education:**
1–2 (Semesters 1 and 2)	Full-time / Uzbek Delivery
ECTS Credits:	**Total Workload:**
10 ECTS Credits	300 Hours (150 Contact Hours [Lectures & Practicals], 150 Independent Study Hours)
Weekly Contact Hours:	**Assessment:**
10 Hours	Current, Interim, and Final Examinations
Curriculum Code:	**Aligned UN SDGs:**
60530200-1.1	SDG 13 (Climate Action); SDG 14 (Life Below Water); SDG 15 (Life on Land); SDG 4 (Quality Education)



1. Course Description & Scope

The course 'General Physical Geography' (UG11209) examines the development of the Earth's geographic shell as an integrated system [cite: 152]. It covers planetary dynamics, solar system physics, lithospheric crustal structure, atmospheric dynamics, hydrosphere components, oceanic systems, biospheric interactions, landscape differentiation, and human-nature ecological balances [cite: 152, 153, 154, 156].

2. Course Aims & Professional Competencies

Course Aim: To foster deep understanding of the geographic shell, planetary mechanisms, Earth system interaction dynamics, and environmental forecasting skills needed for professional geographical and pedagogical practice [cite: 152].

Professional Competencies:

• Planetary & Earth System Knowledge: Understanding Earth's rotation, axial tilt consequences, geochronological eras, and sphere interactions (lithosphere, atmosphere, hydrosphere, biosphere) [cite: 152, 153, 154, 156].
• Spatial & Cartographic Skills: Utilizing Google Earth, remote sensing data, topographic profiles, weather instrumentation, and physical maps [cite: 157, 158, 159].
• Ecological Assessment & Forecasting: Evaluating human impacts on natural landscapes, natural resource conservation, and global climate trends [cite: 152, 156, 159].

3. Prerequisites

• School Geography and Earth Science [cite: 152]
• General Physics and Astronomy [cite: 152, 153]

4. Course Learning Outcomes (CLO)

Code	Learning Outcome Description
CLO 1	Explain the structure, origin, and evolutionary laws of the Earth's geographic shell, lithosphere, atmosphere, hydrosphere, and biosphere [cite: 152, 153, 156].
CLO 2	Demonstrate planetary Earth movements, rotational consequences, solar radiation dynamics, and weather element measurements [cite: 153, 155, 159].
CLO 3	Apply GIS software, satellite imagery, and cartographic methods to analyze landforms, ocean circulation, and bioclimatic zones [cite: 157, 158, 159].
CLO 4	Assess human-nature interaction problems,

	natural resource conservation strategies, and environmental forecasting scenarios [cite: 152, 156, 159].

5. Teaching Technologies & Methods

• Brainstorming, Problem-based learning (PBL), FSMU technology, and Critical thinking modules [cite: 159];
• Practical mapping, satellite imagery analysis, Google Earth profiling, and weather instrument practice [cite: 157, 158, 159];
• Group presentations, cluster diagramming, and team defenses [cite: 159].

6. Requirements for Earning Course Credits

Students must master theoretical Earth system concepts, complete all practical cartographic and instrument tasks, submit independent study projects, and pass written evaluation exams [cite: 159, 160].

7. Assessment Criteria

Evaluation is conducted via a 100-point rating system across written tests, practical mapping assignments, and independent project defenses [cite: 159, 160].

8. Recommended Literature & Information Sources

Core Literature:
1. Abdunazarov, O'. Q., Mirakmalov, M. T., Sharipov, Sh. M., et al. (2020). General Physical Geography [Textbook]. Tashkent [cite: 160].
2. Baratov, P., & Sultanova, N. B. (2019). General Earth Science [Textbook]. Info Capital Group [cite: 160].
3. Lunine, J. I. (2013). Earth (2nd ed.). Cambridge University Press [cite: 161].

Additional Literature:
4. Gledko, Yu. A. (2015). General Earth Science [Study Guide]. Vysheyshaya Shkola, Minsk [cite: 160].
5. Savtsova, T. M. (2013). General Earth Science [Textbook]. Akademiya, Moscow [cite: 160].

Digital Sources:
6. Government Portal of Uzbekistan: www.gov.uz [cite: 161]
7. State Legislation Database: www.lex.uz [cite: 161]
8. Global Science Portal: www.globalscience.ru [cite: 161]

9. UN Sustainable Development Goals (SDG) Alignment

• SDG 13 — Climate Action: Evaluates atmospheric dynamics, greenhouse effects, and climate change forecasting [cite: 155, 156].

• SDG 14 — Life Below Water: Studies ocean physical properties, marine biodiversity, and world ocean protection [cite: 154, 157].
• SDG 15 — Life on Land: Focuses on biospheric interactions, landscape structures, and natural resource conservation [cite: 156, 158].
• SDG 4 — Quality Education: Fosters modern scientific and geographical literacy for future educators [cite: 152].