Syllabus to be implemented from June-2014 onwards.

A] Ordinance and Regulations:-

(As applicable to degree/program)

B] Shivaji University, Kolhapur

New/Revised Syllabus For

Bachelor of—Arts.

1. TITLE: Subject – SOIL GEOGRAPHY

Optional/Compulsory/Additional/IDS under the Faculty of Science

2. YEAR OF IMPLEMENTATION: - New/Revised Syllabi will be implemented from June 2014 onwards.

3. PREAMBLE:-

Soil Geography which is the most important and comparatively neglected branch of Physical Geography has been introduced to B.A. Part II. In this course
the fundamental as well basic concepts and knowledge of Soil Geography have been included. The present syllabus of this course includes nature, scope, significance of Soil Geography and its relevance to pedology; factors of soil formation, soil formation process, soil erosion, soil degradation and conservation of soil; physical and chemical properties of soils, classification of soils and soil management.

4. GENERAL OBJECTIVES OF THE COURSE/ PAPER/:  
(As applicable to the Degree /Subject- Paper concerned)
   i) Students should know soil geography is the fundamental branch of Physical Geography.
   ii) To familiarize the students with the basic and fundamental concepts of soil geography.
   iii) With this study, students understand soil is key resource for the development of any country.
   iv) Students should know that concept, causes and controlling factors soil erosion, soil degradation and Conservation of Soils
   v) Students should know the concept, need and methods soil of management
   vi) Students should know classification, characteristics and distribution of soils.

5. DURATION
   • The course shall be a full time course.
   • The duration of course shall be of Three years, as applicable to the respective degree.

6. PATTERN:-
   Pattern of Examination will be Semester.

7. FEE STRUCTURE :-
   As per Government /University rules
[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)

9. ELIGIBILITY FOR ADMISSION:-
As per eligibility criteria prescribed for respective degree program and the merit in the qualifying (i.e. Entrance Examination) examination, if any.

10. MEDIUM OF INSTRUCTION:
The medium of instruction shall be in English or Marathi. (as applicable to the course/programme concerned.)

11. STRUCTURE OF COURSE- =50
(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SECOND YEAR (SEMESTER III) (PAPERS No.III)

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Subjects/Papers</th>
<th>Teaching Scheme (Hrs/Week)</th>
<th>Examination Scheme Sr. (Marks)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>L  T  P  Total</td>
<td>Theory  Total</td>
</tr>
<tr>
<td>1</td>
<td>Soil Geography</td>
<td>4  4  - 04</td>
<td>50  50</td>
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</tbody>
</table>

12. SCHEME OF TEACHING AND EXAMINATION:-
[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

SECOND YEAR / SEMESTER – III
Scheme of Teaching and Examination

13. SCHEME OF EXAMINATION:-
• The examination shall be conducted at the end of each term for semester pattern.
• The Theory paper shall carry 50 marks (as applicable to the course)
• The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
• Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

14. STANDARD OF PASSING:—
[As Prescribed under rules & regulation for each degree/programme.]

15. Nature of Question paper

NATURE OF QUESTION PAPER AND SCHEME OF MARKING:—
Common Nature of Paper as per Social Sciences Faculty

16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1</td>
<td>Human Geography</td>
<td>III</td>
<td>Soil Geography</td>
<td>III</td>
</tr>
</tbody>
</table>

17. SPECIAL INSTRUCTIONS , IF ANY – Nil
NEW/REVISED SYLLABUS FOR
B.A. ( Part II ) Geography
(Introduced from June 2014 onwards)
Semester - III
(i) Paper –III

(ii) Title of Paper :- SOIL GEOGRAPHY

(iii) Specific Objectives:-

(iv) A brief note :- ( On expected level of study from examination and assessment point of view):-

<table>
<thead>
<tr>
<th>UNITS</th>
<th>(No. of Lectures)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 1 : INTRODUCTION TO SOIL GEOGRAPHY</td>
<td>(12)</td>
</tr>
<tr>
<td>1.1 Nature and Scope of Soil Geography.</td>
<td></td>
</tr>
<tr>
<td>1.2 Relationship of Soil Geography with Pedology.</td>
<td></td>
</tr>
<tr>
<td>1.3 Significance of Soil Geography.</td>
<td></td>
</tr>
<tr>
<td>Unit 2 FORMATION AND PROPERTIES OF SOILS</td>
<td>(18)</td>
</tr>
<tr>
<td>2.2 Processes of Soil Formation and Soil Development: Physical, Biotic and Chemical.</td>
<td></td>
</tr>
<tr>
<td>2.4 Chemical Properties of Soils: pH, Organic Matter, NPK(Nitrogen, Phosphorous and Potassium) and Other Properties of Soils.</td>
<td></td>
</tr>
<tr>
<td>Unit 3 CLASSIFICATION AND DISTRIBUTION OF SOILS</td>
<td>(18)</td>
</tr>
<tr>
<td>3.1 Genetic Classification of Soils</td>
<td></td>
</tr>
<tr>
<td>3.2 Characteristics and World Distribution of Soils.</td>
<td></td>
</tr>
<tr>
<td>3.3 Soil Erosion: Concept, Causes and Controlling Factors.</td>
<td></td>
</tr>
<tr>
<td>3.4 Degradation and Conservation of Soils.</td>
<td></td>
</tr>
<tr>
<td>Unit 4 SOIL MANAGEMENT</td>
<td>(12)</td>
</tr>
<tr>
<td>4.1 Concept of Soil Management</td>
<td></td>
</tr>
<tr>
<td>4.2 Need of Soil Management</td>
<td></td>
</tr>
<tr>
<td>4.3 Methods of Soil Management</td>
<td></td>
</tr>
</tbody>
</table>

REFERENCES
Syllabus to be implemented from June- 2014 onwards.

A] Ordinance and Regulations:-
(As applicable to degree/program)
B] Shivaji University, Kolhapur

New/Revised Syllabus For

Bachelor of—Arts.

1. TITLE: Subject – OCEANOGRAPHY

Optional/Compulsory/Additional/IDS under the Faculty of Science

2. YEAR OF IMPLEMENTATION: - New/Revised Syllabi will be implemented from June 2014 onwards.

3. PREAMBLE:-

Oceanography which is the most important and comparatively neglected branch of Physical Geography has been introduced to B.A. Part II. In this course the fundamental as well basic concepts and knowledge of oceanography have been
included. The present syllabus of this course includes definition nature, scope, history and significance of Oceanography and its relevance to the earth and atmospheric sciences; properties and dynamics of oceanic water, Oceanic currents and their influence and applied oceanography.

4. GENERAL OBJECTIVES OF THE COURSE/ PAPER

i) Students should know oceanography is the fundamental branch of Physical Geography.

ii) To familiarize the students with the basic and fundamental concepts of oceanography.

iii) With this study, students understand marine is key resource for the development of any country.

iv) Students should know physical and chemical properties of oceans.

v) Students should know types of oceanic currents and currents of Atlantic, Pacific and Indian oceans.

vi) Students should know hypsographic curve, wind rose, iso-salinity lines and isotherms.

5. DURATION

• The course shall be a full time course.

• The duration of course shall be of Three years, as applicable to the respective degree.

6. PATTERN:-

Pattern of Examination will be Semester.

7. FEE STRUCTURE :-

As per Government /University rules

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)]

9. ELIGIBILITY FOR ADMISSION:-

As per eligibility criteria prescribed for respective degree program and
the merit in the qualifying (i.e. Entrance Examination) examination, if any.

10. MEDIUM OF INSTRUCTION:
The medium of instruction shall be in English or Marathi. (as applicable to the course/programme concerned.)

11. STRUCTURE OF COURSE- 40+10=50
(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

SECOND YEAR (SEMESTER IV) (PAPERS No.V)

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Subjects/Papers</th>
<th>Teaching Scheme (Hrs/Week)</th>
<th>Examination Scheme Sr. (Marks)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>L</td>
<td>T</td>
</tr>
<tr>
<td>1</td>
<td>Oceanography</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

12. SCHEME OF TEACHING AND EXAMINATION:-
[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

SECOND YEAR / SEMESTER –IV

Scheme of Teaching and Examination

13. SCHEME OF EXAMINATION:-
• The examination shall be conducted at the end of each term for semester pattern.
• The Theory paper shall carry 50 marks (as applicable to the course)
• The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
• Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.
14. STANDARD OF PASSING:-
[As Prescribed under rules & regulation for each degree/programme.]

15. Nature of Question paper

NATURE OF QUESTION PAPER AND SCHEME OF MARKING:-
Common Nature of Paper as per Social Sciences Faculty

16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS
OF PAPERS- (FOR REVISED SYLLABUS)

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Population Geography</td>
<td>V</td>
<td>Oceanography</td>
<td>V</td>
</tr>
</tbody>
</table>

17. SPECIAL INSTRUCTIONS , IF ANY – Nil
NEW/REVISED SYLLABUS FOR  
B.A. ( Part II ) Geography  
(Introduced from June 2014 onwards)  
Semester - IV  
(i) Paper – V  

(ii) Title of Paper: - OCEANOGRAPHY  

(iii) Specific Objectives:-------------------------------------

(iv) A brief note :- ( On expected level of study from examination and assessment point of view):- ----- 

<table>
<thead>
<tr>
<th>UNITS</th>
<th>(No. of Lectures)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit 1 INTRODUCTION TO OCEANOGRAPHY</strong></td>
<td>15</td>
</tr>
<tr>
<td>1.1 Definition, Nature and Scope of Oceanography.</td>
<td></td>
</tr>
<tr>
<td>1.2 History of Oceanography.</td>
<td></td>
</tr>
<tr>
<td>1.3 Oceanography and other Earth and Atmospheric Sciences.</td>
<td></td>
</tr>
<tr>
<td>1.4 Significance of Oceanography.</td>
<td></td>
</tr>
</tbody>
</table>

**UNIT 2 PROPERTIES AND DYNAMICS OF OCEANS** (15) 

2.1 Temperature of Oceans: Daily and Annual Range of Temperature, Factors Affecting the Ocean Temperature  
2.2 Salinity of Oceans and Seas.: Meaning and Concept, Affecting Factors, Salinity of Inland Seas and Lakes  
2.3 Oceanic Currents: Types, Factors Responsible for Origin of Currents.  
2.4 Currents of the Atlantic, Pacific and Indian Oceans.  

**Unit 3 APPLIED OCEANOGRAPHY** (15)  

3.1 Ocean or Marine Deposits: Sources and Classification  
3.2 Influence of Ocean Currents.  
3.3 Marine Resources: Biotic, Mineral and Energy Resources  
3.4 Ocean as Sources of Food and as Storehouse of Resources for the Future  

**Unit 4: PRACTICALS (THEORY ONLY)** (15)  
4.1 Hypsographic Curve.  
4.2 Windrose  
4.3 Iso-Salinity Lines
4.4 Isotherms

References
17. Thurman, H. B.: Introductory Oceanography, Charles Webber E. Merril publishing
19. सवदी.ए.बी. आणि कोठेकर .पी.एस.व लोक संख्या भूगोल निराली प्रकाशन पुणे.

20. ताचोके द.घो.- लोकसंख्याशास्त्र.

21. पवार,अंडसुत, फुले ,पाटील- मानवी भूगोल सम्रेम प्रकाशन कोल्हापूर.

22. डॉ प्रकाश सावंत – भूरूपशास्त्र व हवामानशास्त्र, फडके प्रकाशन.