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SYLLABUS

FOR

Bachelor of Vocational Degree, Advance Diploma and Diploma (Interior Designing)

Under

UGC's National Skill Qualification Framework
(NSQF)

At

PDEA's
Prof. Ramkrishna More Arts, Commerce College
Akurdi, Pune (Maharashtra)

Affiliated

To

Savitribai Phule University of Pune.

YEAR 2018-2019

Proposed subjects / papers in the Skill component and General Education component in each of the three years.

COURSE STRUCTURE

Year 1 (Diploma)			
Semester I (Credits 30)			
S. No.	Subject Code	Subject Name	Credits
1	ID 111	Basic Design Theory - I	4
2	ID 112	Construction Tools & Materials - I	4
3	ID 113	History of Interior Design - I	4
4	ID 114	Business Communication Skills	2
5	ID 115	Interior Design Studio-I	4
6	ID 116	Construction Studio-I	4
7	ID 117	Interior Design Graphics I	4
8	ID 118	Interior Services I	4

Semester II (Credits 30)			
S. No.	Subject Code	Subject Name	Credits
1	ID 121	Basic Design Theory II	4
2	ID 122	Construction Tools & Materials II	4
3	ID 123	History of Interior Design II	4
4	ID 124	Computer Skills	2
5	ID 125	Interior Design Studio - II	4
6	ID 126	Construction Studio - II	4
7	ID 127	Interior Design Graphics - II	4
8	ID 128	Interior Services - II	4

Year 2 (Advance Diploma)			
Semester III (Credits 30)			
Sr No	Code	Name of Subject	Total Credit
1	ID-231	Environmental Studies 1	4
2	ID-232	Tools & Materials 3	4
3	ID-233	Humanities & Management 1	4
4	ID-234	Computer	2
5	ID-235	Interior Design Studio 3	4
6	ID-236	Construction 3	4
7	ID-237	Interior Design Graphics 3	4
8	ID-238	Services 3	4

Semester IV (Credits 30)			
Sr No	Code	Name of Subject	Total Credit

1	ID-241	Landscape 1	4
2	ID-242	Tools & Materials 4	4
3	ID-243	Humanities & Management 2	4
4	ID-244	Elective	2
5	ID-245	Interior Design Studio 4	4
6	ID-246	Construction 4	4
7	ID-247	Interior Design Graphics 4	4
8	ID-248	Services 4	4

Year 3 (Degree)			
Semester V (Credits 30)			
Sr No	Code	Name of Subject	Total Credit
1	ID-351	Elective	4
2	ID-352	Quantity and Estimation	4
3	ID-353	Professional Practice	4
4	ID-354	Case/Literature study	2
5	ID-355	Interior Design Studio	4
6	ID-356	Working Drawing	4
7	ID-357	Interior Design Dissertation	4
8	ID-358	Advance Services 5	4

Semester VI (Credits 30)			
Sr No	Code	Name of Subject	Total Credit
1	ID-361	Internship (16-18 weeks)	30

GUIDELINES FOR INTRODUCTION OF BACHELOR OF VOCATION (B.VOC.) PROGRAMME IN UNIVERSITIES AND COLLEGES UNDER THE NATIONAL SKILLS QUALIFICATIONS FRAMEWORK (NSQF)

1. Introduction

It has been a long felt necessity to align higher education with the emerging needs of the economy so as to ensure that the graduates of higher education system have adequate knowledge and skills for employment and entrepreneurship. The higher education system has to incorporate the requirements of various industries in its curriculum, in an innovative and flexible manner while developing a holistic and well groomed graduate.

Ministry of HRD, Government of India had issued an Executive Order in September 2011 for National Vocational Education Qualification Framework (NVEQF). Subsequently, Ministry of Finance, in pursuance of the decision of Cabinet Committee on Skill Development in its meeting held on 19th December, 2013, has issued a notification for National Skills Qualifications Framework (NSQF) which supersedes NVEQF.

Under the National Skills Development Corporation, many Sector Skill Councils representing respective industries have/are being established. One of the mandates of Sector Skill Councils is to develop National Occupational Standards (NOSs) for various job roles in their respective industries. It is important to embed the competencies required for specific job roles in the higher education system for creating employable graduates.

The University Grants Commission (UGC) has launched a scheme on skills development based higher education as part of college/university education, leading to Bachelor of Vocation (B.Voc.) Degree with multiple exits such as Diploma/Advanced Diploma under the NSQF. The B.Voc. programme is focused on universities and colleges providing undergraduate studies which would also incorporate specific job roles and their NOSs alongwith broad based general education. This would enable the graduates completing B.Voc. to make a meaningful participation in accelerating India's economy by gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge.

2. Objectives

- 2.1** To provide judicious mix of skills relating to a profession and appropriate content of General Education.
- 2.2** To ensure that the students have adequate knowledge and skills, so that they are work ready at each exit point of the programme.
- 2.3** To provide flexibility to the students by means of pre-defined entry and multiple exit points.
- 2.4** To integrate NSQF within the undergraduate level of higher education in order to enhance employability of the graduates and meet industry requirements. Such graduates apart from meeting the needs of local and national industry are also expected to be equipped to become part of the global workforce.
- 2.5** To provide vertical mobility to students coming out of 10+2 with vocational subjects.

3. Levels of Awards

The certification levels will lead to Diploma/Advanced Diploma/B. Voc. Degree in one or more vocational areas and will be offered under the aegis of the University.

Award	Duration	Corresponding NSQF level
Diploma	1 Year	5
Advanced Diploma	2 Years	6
B.Voc. Degree	3 Years	7

4. Eligibility /Target

All universities and colleges included under Sections 2(f) and 12(B) of the UGC Act, 1956 and receiving plan grant from the UGC are eligible for UGC financial assistance under the scheme.

5. Eligibility for admission in B.Voc.

The eligibility condition for admission to B.Voc.programme shall be 10+2 or equivalent, in any stream.

6. Curriculum

The curriculum in each of the years of the programme would be a suitable mix of general education and skill development components. Curriculum details should be worked before introduction of the courses.

7. Guidelines for credit calculations

7.1 This section contains credit framework guidelines. The university/college should use these guidelines or adapt them.

7.2 The following formula should be used for conversion of time into credit hours.

- a) One Credit would mean equivalent of 15 periods of 60 minutes each, for theory, workshops/labs and tutorials;
- b) For internship/field work, the credit weightage for equivalent hours shall be 50% of that for lectures/workshops;
- c) For self-learning, based on e-content or otherwise, the credit weightage for equivalent hours of study should be 50% or less of that for lectures/workshops.

7.3 The suggested credits for each of the years are as follows:

NSQF Level	Skill Component Credits	General Education Credits	Normal calendar duration	Exit Points / Awards
Year 3	36	24	Six Semesters	B.Voc.
Year 2	36	24	Four semesters	Advanced Diploma
Year 1	36	24	Two semesters	Diploma
TOTAL	108	72		

8. Examination and Assessment

- 8.1. The assessment for the general education component would be done by the university as per their prevailing standards and procedures.
- 8.2. The assessment for the skill development components would necessarily focus on practical demonstrations of the skills acquired.

The university has to necessarily establish a credit based assessment and evaluation system for the B.Voc. programme.

Syllabus For B.Voc. (Interior Designing) Three Year degree Program Semester V

ID 351. Elective		04credits 60 Hours
OBJECTIVES The topic for elective courses shall be developed based on the current trends in the practice and availability of resource persons. However, few topics are suggested for the elective course.		
1	Unit I Contemporary interiors 1.1 Introduction to contemporary interiors. 1.2 Design basics 1.3 Historical background 1.4 Technology of furniture 1.5 Design 1.6 Contemporary furniture 1.7 The future	60 Hrs
1	Unit II Sustainable Interiors 1.1 Introduction to Sustainable interiors. 1.2 Sustainable / eco - friendly materials. 1.3 Principles of sustainable Interior design : design for energy efficiency, Design for low environmental impact, Design for waste reduction, Design for longevity and flexibility, Design for healthy environments. 1.4 Energy efficient lighting 1.5 Use of natural lighting.	60 Hrs

ASSIGNMENTS

1	Continuous assessment of sessional work may consist of project work, case studies, research, etc.
2	Journals, reports, power point presentations etc.

REFERENCE:

1. Contemporary Interiors: A Source Of Design Ideas, Philip Jodidio.
2. Sustainability in Interior Design, Sian Moxon, Laurence King Publishing, 21- Mar-2012.
3. Perspective on Social Sustainability and Interior ,Architecture: Life from the Inside, Dianne Smith, Marina Lommerse, Priya Metcalfe Editors.
4. Sustainable Design For Interior Environments Second Edition, Winchip Susan M.

5. Sustainable Commercial Interiors, Second Edition, Penny Bonda, Katie Sosnowchik with Summer Minchew.
6. Sustainable Residential Interiors Book by Annette Stelmack, Debbie Hindman, and Kari Foster.

ID 352. Quantity and Estimation		04 credits 60 Hours
OBJECTIVES In this semester the learner will be equipped with knowledge and skills needed such as estimating, costing, analyzing rates and processes of tendering for practicing profession of Interior Architecture.		
1	Unit I Introduction to concept of estimation 1.1 Introduction to concept of estimation, costing and rate analysis. 1.2 Need for estimating, costing and rate analysis.	20Hrs
2	Unit II Components of estimation 2.1 Components of estimation, 2.2 costing and analyzing rates (drawings and specifications, units and modes of measurements, work output, material and labour cost, contingencies, professional fees, indirect costs etc.)	20Hrs
3	Unit III Methods of estimating 3.1 Methods of estimating (lump-sum, work specific, item rate etc.) 3.2 costing (percentage basis, item rate basis etc). 3.3 rate analysis (item rate basis).	20Hrs

ASSIGNMENTS

1.	Students are expected to visit exhibitions, material manufacturers units, ongoing interior sites, attend seminars and presentations of consultants and vendors related to interior profession.
REFERENCE: 1. Roshan Namavati, Professional Practice (Estimation & Valuation), Lakhani Book depot. 2. Roshan Namavati, Architectural Detailing in Residential Interiors, Lakhani Book depot. 3. C M Pitrowski, Professional Practice in Interior Design, Van Nostrand Reinhold. 4. Harry Siegel, CPA, Alan Sigel, A Guide to Business Principle and Practices for Interior Designers, Whitney library of design. 5. William R. Hall, Contract Interior Finishes, Whitney library. 6. William Rupp, Construction Materials of Interior Design, Whitney Library.	

ID 353. Professional Practice**04 credits 60 Hours****OBJECTIVES**

In this semester the learner will be equipped with knowledge and skills needed such as management of office, codes of conduct required to enhance skills and techniques of managing small and large scale residential and commercial interior projects.

1	Unit I Introduction to the profession 1.1 Interior Designer 1.2 Characteristics of a proper interior designer 1.3 Necessity of an interior designer 1.4 Interior designer's role towards execution of project	15 Hrs
2	Unit I Ethics & Codes of conduct 2.1 Fees of an Interior designer. 2.2 Professional Ethics & professional codes of conduct for interior designer. 2.3 Codes of conduct and responsibility towards clients, fellow professionals, profession, contractors, suppliers, other consultants and the society. 2.3 Self Development of an interior designer.	15 Hrs
3	Unit III Project management 3.1 Job procurement and public relations. 3.2 Office management for professional Interior designer 3.3 Site management for professional Interior designer 3.4 Recording, Documentation of projects.	15 Hrs
3	Unit III Business Correspondence 4.1 Public relations, meetings & seminars, conferences. 4.2 Ability of conveying an idea to lay man.	15 Hrs

ASSIGNMENTS

1.	Continuous assessment of sessional work may consist of project work, research, Journals, reports, power point presentations etc.
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REFERENCES:

1. Professional practice in India by Madhav G. Deobhakta.
2. Professional practice for interior Designers: Book by Christine M. Piotrowski.
3. Interior Design Handbook of Professional Practice by Coleman – Interior Design Magazi, McGraw – hill, 2001.

ID 354. Case / Literature Study**02 credits 30 Hours****OBJECTIVES**

In this semester the learner will be equipped with knowledge and methods of research.

1	Unit I Distinctive Research 1.1 Abstract 1.2 Introduction 1.3 Literature Review 1.4 Research Methodology 1.5 Data analysis 1.6 Inferences, Conclusion and Discussion.	20 Hrs
2	Unit II Antecedents Study (Mandatory Research) 2.1 Introduction 2.2 Methodology 2.3 Case Examples 2.4 comparative study of case examples 2.5 Inferences for interior designing.	20 Hrs
3	Unit III Activity study 3.1 Introduction 3.2 User profile 3.3 Process and flows in the Activities 3.4 Anthropometry Data 3.5 Inferences from Activity Study.	20 Hrs

ID 355. Interior Design Studio V**04 credits 60 Hours****OBJECTIVES**

In this semester the learner is expected to apply individual professional design acumen with enhanced skills of planning interior spaces related to commercial activity with use of **eco - friendly** materials and practices. Learner will provide due emphasis to the relationship of space to the contextual environment, achieving individual interpretations through client profiling, case studies and framing of requirements. The subject further explores application of advanced knowledge to materials used, construction techniques, modular furniture and services.

1	Unit I The design exercise may include large projects like hotels, fine-dining restaurants, corporate office of a Multi-National corporation. (The carpet area of the project should not be less than, 300.00 sq.mts.) OR	60Hrs
2	Unit I Designing activity based medium to large sized Public spaces such as Museum, Art Gallery, Convention centers, Multiplexes etc. (The carpet area of the project should not be less than, 300.00 sq.mts.)	60Hrs

ASSIGNMENTS

1	Continuous assessment of sessional work may consist of sketches, cad generated drawings, study models in various materials, case studies, visit reports, power point presentations etc.
2	Design portfolio should consist of Project Brief, Client profile, Theme Sheet, Measurement Plan/ Furniture Layout Plan/ Flooring Layout/ Reflected Ceiling Layout/ Electrical Layout/ Lighting Layout, Sectional Elevations/ Perspective Views).
2	Computer Aided Drawings are expected in this Semester.
4	Case study sheets/ power point presentation on large sized Public interior spaces such as Art Gallery, Convention centers, Multiplexes etc.

REFERENCE:

1. Karlen Mark, Space planning Basics, Van Nostrand Reinhold, New York, 1992.
2. Joseph D Chiara, Julius Panero, & Martin Zelnick, Time Saver standards for Interior Design & space planning, 2nd edition, Mc-Graw Hill professional, 2001.
3. Francis.D. Ching & Corky Bingelli, Interior Design Illustrated, 2nd edition, Wiley publishers, 2004.
4. Julius Panero & Martin Zelnick, Human Dimension & Interior Space : A source book of Design Reference standards, Watson – Guptill, 1979.
5. Karlen Mark, Kate Ruggeri & Peter Hahn, Space Planning Basics, Wiley publishers, 2003.

ID 356. Working Drawing**04 credits 60 Hours****OBJECTIVES**

In this semester the learner is expected to prepare working drawing and details of Residential furniture systems using various materials such as wood, plywood, block boards, artificial boards, metal, glass, stone etc in various finishes. The learner is suggested to prepare working drawing and related details of the following furniture designed by them in the previous semesters.

1	Unit I Working drawing of the following may be prepared based on the design projects 1.1 Dining Table with Chair in wood. 1.2 Study table 1.3 Wall unit / Partition divider	20Hrs
2	Unit II Working drawing of the following may be prepared based on the design projects 2.1 His and Her wardrobe in plywood as basic material. 2.2 Double Bed with Side Table in wood. 2.3 Built-in Kitchen Platform	20Hrs
3	Unit III Working drawing of the following may be prepared based on the design projects 3.1 Executive Desk with side / back table 3.2 Reception Counter 3.3 Conference Table 3.4 Bar Counter	20Hrs

ASSIGNMENTS

1	Continuous assessment of sessional work should consist of drawing plates, sketch books, etc.
2	Scaled drawing on
3	Working drawing of all the topics mentioned above may be prepared based on the design projects.

ID 357. Interior Design Dissertation**04credits 60 Hours****OBJECTIVES**

In this semester the learner should have a focused individualistic approach towards design as per the brief finalized in consultation with the guide resulting in professionally satisfying presentation of the design that would put to test the individual strength and caliber of the learner. The student has a complete choice for selection of a subject & site. The scale shall be more or less standard for all the students.

1	Unit I 1.1 finalize the topic and guide 1.2 set the aim-objectives and scope of study	15 Hrs
2	Unit II 1.3 Conduct research and review related literature	15 Hrs
3	Unit III Case studies and design brief 1.4 Identify and conduct related case studies and project reviews 1.5 Collect data and critically analyze the data 1.6 Finalize the Interior Design brief/program	15 Hrs
4	Unit IV Site selection 1.7 Identify and finalize the site for design.	15 Hrs

ASSIGNMENTS

1	Assignment will be in the form of sketches/ models covering all the topics mentioned above with suitable examples and supportive material.
2	Study model in various materials.
3	Presentation drawings with different media.
4.	Hand drawn sheets on 2D and 3D rendering.

ID 358. Advance Services V**04 credits 60 Hours****OBJECTIVES**

In this semester the learner will be introduced to the principles of communication, safety and security systems as applicable interior spaces. They will be dealt with the following topics in detail

1	Unit I Types of communication 1.1 Types of communication- data, telephone systems and their usage and application, server rooms.	20 Hrs
2	Unit II Security systems 2.1 Introduction to principles of security. 2.2 types of security systems and its applications.	20 Hrs
3	Unit III Illumination 3.1 Introduction to Illumination 3.2 Light: basics 3.3 Laws of illumination 3.4 Light flux methods, Types of Lamps, Luminaires. (Residential, Commercial, Industry, flood and street lighting.) 3.5 Illumination standards 3.6 Day light integrated lighting systems, timers and sensors. 3.7 artificial lighting design and lighting power density. 3.8 Different types of illuminations.	20Hrs

ASSIGNMENTS

1	Assignment will be in the form of sketches, journals, visit reports, market survey reports, covering all the topics mentioned above with suitable examples and supportive material.
2	Seminar and power point presentation on various types of communication, security systems.
3	Market survey for various types of communication, security system and types of illuminations available in market.

REFERENCE

1. Advanced Building System: A Technical Guide for Architects and Engineers, Klaus Daniels, Birkhauser Verlag AG, 2003.
2. Building construction, Shushil kumar, standard publishers distributors.
3. Derek Clements-Croome, Derek J. Croome, Intelligent buildings: Design, Management and Operation, Thomas Telford Books, London, 2004.
4. Albert Ting-pat So, Wai Lok Chan, Intelligent Building Systems, Kluwer Academic Publishers, 1999.

Semester VI

ID 361. Internship (16-18 weeks)		30credits
OBJECTIVES During this semester the learner will have to undergo training outside the institute, in such offices / organizations which will give the learner the necessary opportunity to improve and consolidate his/her knowledge in the interior design profession.		
1	The practical training is aimed to acquaint students with the prevalent purview and procedure of interior practice so that they acquire an expedient view of academics. The trainee is required to be engaged on a full time basis.	
2	During the practical training period the learner is expected to work in accordance with the discipline of the organization and will have to make progress which will be carefully monitored by the institution. The learner will have to submit the detailed report of the experience gained during the professional training.	
3	Logbooks will have to be maintained by the learner and counter signed by the Head of the organization and also by the professor in-charge.	

EVALUATION

1	At the end of the training period, a viva-voce would be conducted on:
	1. The experience and the knowledge gained during the period of training.
	2. Overall knowledge in the subject of tenders, specifications and rate analysis.