**Republic of the Philippines**

**SORSOGON STATE COLLEGE**

**Sorsogon City Campus**

**ENGINEERING-ARCHITECTURE DEPARTMEN**

**NEW ENHANCED CURRICULUM**

**BACHELOR OF SCIENCE IN ARCHITECTURE**

(Adopted CMO No. 34, s. 2008)

**FIRST YEAR - 1ST SEMESTER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CODE | SUBJECTS | UNITS | | | Total no. of units | Prerequisite  (co-requisite) |
|  |  | Lec | Lab | Studio |  |  |
|  | \*English plus | (3) |  |  |  |  |
| Math 1 | College algebra | 3 | 0 |  | 3 | None |
| Math 2 | Plane trigonometry | 3 | 0 |  | 3 | None |
| Eng 1 | English 1 (communication skills) | 3 | 0 |  | 3 | None |
| Pil 1 | Pilipino 1 (sining ng pakikipagtalastasan) | 3 | 0 |  | 3 | None |
| AR Design 1 | Architectural design 1 (introduction to design) | 1 |  | 1 | 2 | None |
| Graphics 1 | Graphics 1(architectural visual communications-1  Architectural drafting) | 1 |  | 2 | 3 | None |
| Visual Tech 1 | Visual tech.1(architectural visual communication 2-monochromatic drawing) | 1 |  | 1 | 2 | None |
| AR Theory 1 | Theory of architecture1 | 2 | 0 |  | 2 | None |
| PE 1 | PE 1(Health & Physical fitness) |  |  |  | 2 | None |
| NSTP 1 | NSTP 1(National services training program) |  |  |  | 3 | None |
|  | Sub total | 17 | 0 | 4 | 26 |  |

**FIRST YEAR - 2ND SEMESTER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CODE | SUBJECTS | UNITS | | | Total no. of units | Prerequisite  (co-requisite) |
|  |  | Lec | Lab | Studio |  |  |
| Math 3 | Analytic geometry | 2 | 0 |  | 2 | Math 1,&2 |
| Math 4 | Solid mensuration | 2 | 0 |  | 2 | Math 1,&2 |
| NS 1 | Physics 1 (basic concept on mechanics, heat & sound) | 2 | 1 |  | 3 | Math 1,&2 |
| ENG 2 | English 2(speech communication) | 3 | 0 |  | 3 |  |
| PIL 2 | Pilipino 2(pagbasa at pagsulat sa ibat ibang disiplina) | 3 | 0 |  | 3 |  |
| AR DESIGN 2 | Architectural design 2(creative design &fundamentals) | 1 |  | 1 | 2 | AR design 1 |
| GRAPHIC 2 | Graphic 2(architectural visual communications 3 perspective shades & shadow) | 1 |  | 2 | 3 | VISUAL TECH 1 |
| VISUAL TECH 2 | Visual techniques 2(architectural visual communications 4 color rendering & still life) | 1 |  | 1 | 2 | VISUAL TECH 2 |
| AR THEORY | Theory of architecture 2 | 3 | 0 |  | 3 | AR THEORY 1 |
| PE 2 | PE 2 (individual sports) |  |  |  | 2 |  |
| NSTP 2 | NSTP 2 |  |  |  | 3 |  |
|  | Sub total | 18 | 1 | 4 | 28 |  |

**SECOND Year - 1ST SEMESTER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CODE | SUBJECTS | UNITS | | | Total no. of units | Prerequisite  (co-requisite) |
|  |  | Lec | Lab | Studio |  |  |
| Math 5 | Differential & integral calculus | 3 | 0 |  | 3 | MATH 1&2 |
| NS 2 | Physics 2(basic concept in magnetism electricity, lights & optics) | 2 | 1 |  | 3 | Physics 1 |
| NS 3 | Science environment & society | 3 | 0 |  | 3 | None |
| AR Design 3 | Architectural design 3(creative design in architectural interiors, landscape architecture | 1 |  | 2 | 3 | AR DESIGN 2 |
| Bldg. Tech 1 | Building technology 1(building materials) | 3 | 0 |  | 3 | None |
| Visual Tech 3 | Visual techniques 3(architectural visual communication 5 presentation & techniques) | 1 |  | 1 | 2 | VISUAL TECH 2 |
| AR Interiors | Architectural interiors | 2 |  | 1 | 3 | AR Theory 2 |
| AR History 1 | History of architecture 1 (beginning of civilization to the Eurasian cultural balance up to 1500AD) | 3 | 0 |  | 3 | none |
| PE 3 | PE 3 (Team sports) | 0 | 0 |  | 2 |  |
| Computer 1 | Computer 1(computer literacy) | 1 | 1 | 0 | 2 |  |
|  | Sub total | 19 | 2 | 4 | 27 |  |

**SECOND YEAR - 2ND SEMESTER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CODE | SUBJECTS | UNITS | | | Total no. of units | Prerequisite  (co-requisite) |
|  |  | Lec | Lab | Studio |  |  |
| BES 1 | Statics of rigid bodies | 3 | 0 |  | 3 | MATH 2&3 |
| BES 2 | Surveying(plane surveying) | 2 | 1 |  | 3 | MATH 1&2 |
| Soc Sci 1 | General psychology | 3 | 0 |  | 3 |  |
| AR Design 4 | Architectural design 4(space planning1) | 1 | 0 | 2 | 3 | AR DESIGN 3 |
| Bldg. Tech 2 | Building technology 2(Drawings in Wood, steel & concrete 1 storey) | 2 | 0 | 1 | 3 | BLDG.UTIL 1 |
| Bldg. Util 1 | Building utilities 1(plumbing & sanitary system) | 3 | 0 |  | 3 | None |
| Trop’l Design | Tropical design | 3 | 0 |  | 3 | Physics 2 |
| AR History 2 | History of architecture 2(western dominance 1500 AD to present) | 3 | 0 |  | 3 | History of architecture 1 |
| CADD 1 | Computer aided design & drafting for architecture 1(introduction to autoCADD) | 1 | 2 |  | 3 | COMP 1 |
| PE 4 | PE 4 (recreational activities) |  |  |  | 2 |  |
|  | Sub total | 21 | 3 | 3 | 29 |  |

**THIRD YEAR - 1ST SEMESTER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CODE | SUBJECTS | UNITS | | | Total no .of units | Prerequisite  (co-requisite) |
|  |  | Lec | Lab | Studio |  |  |
| BES 3 | Strength of materials | 3 | 0 |  | 3 | BES 1 |
| Lit 1 | Literature 1  (Philippines literature) | 3 | 0 | 0 | 3 |  |
| AR Design 5 | Architectural design5  (space planning 2) | 1 | 0 | 3 | 4 | AR DESIGN 4 |
| Bldg tech 3 | Building technology3  (construction drawings in wood, tell & concrete 2 storey residential structure) | 2 | 0 | 1 | 3 | BLDG.TECH 1 |
| Bldg Util. 2 | Building utilities 2  (electrical, electronics & mechanical systems) | 3 | 0 |  | 3 | Physics 2 |
| AR History 3 | History of architecture 3  (asian architecture) | 3 | 0 |  | 3 | AR HISTORY 2 |
| Prof. Prac. 1 | Professional practice 1  ( laws practice of architecture ) | 3 | 0 |  | 3 | None |
| CADD 2 | Computer aided design & drafting for architecture 2(advanced AutoCAD 3D objects | 1 | 2 |  | 3 | CADD 1 |
|  | Sub total | 19 | 2 | 4 | 25 |  |

**THIRD YEAR - 2ND SEMESTER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CODE | SUBJECTS | UNITS | | | Total  No.  Of  Units | Prerequisite  (co-requisite) |
|  |  | Lec | Lab | Studio |  |  |
| AR Design 6 | Architectural design 6  (site development planning & landscaping) | 1 | 0 | 3 | 4 | AR DESIGN 5 |
| BES 4 | Theory of structures | 3 | 0 |  | 3 | Strength of materials |
| Bldg Tech 4 | Building technology 4  (specification writing & quantity surveying) | 2 | 0 | 1 | 3 | BLDG TECH. 1 |
| Building Util. 3 | Building utilities 3  (acoustic and lighting system) | 3 | 0 |  | 3 | Physics 2 |
| AR History 4 | History of architecture 4(Philippines architecture) | 3 | 0 |  | 3 | AR HISTORY 3 |
| Prof. Prac 2 | Professional practice 2  (administering the regular services of the architect) | 3 | 0 |  | 3 | PROF PRAC 1 |
| Planning 1 | Planning 1(site planning & landscape architecture) | 3 | 0 |  | 3 | NS 3 |
| CADD 3 | Computer aided design & drafting for architecture 3  (architectural CAD-ArchiCAD) | 1 | 2 |  | 3 | CADD 2 |
|  | Sub total | 19 | 2 | 4 | 25 |  |

**FOURTH YEAR - 1st SEMESTER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CODE | SUBJECTS | UNITS | | | Total no. of units | Prerequisite  (co-requisite) |
|  |  | Lec | Lab | Studio |  |  |
| ENG 3 | English 3 (technical report writing) | 3 | 0 |  | 3 |  |
| BES 5 | Steel & timber design | 3 | 0 |  | 3 | BES 4 |
| CADD 4 | Computer aided  Design & drafting for architecture 4(3D Studio maxx) | 1 | 0 | 2 | 3 | CADD 3 |
| AR Design 7 | Architectural design 7(community urban design) | 1 | 0 | 4 | 5 | Archi design 6 |
| Bldg. Tech. 5 | Building technology 5(alternative building construction system) | 2 | 0 | 1 | 3 | Bldg. tech 3 |
| Planning 2 | Planning 2  (fundamentals of urban design & community architecture) | 3 | 0 | 0 | 3 | Planning 1 |
|  | Sub total | 13 | 0 | 7 | 20 |  |

**FOURTH YEAR - 2ND SEMESTER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CODE | SUBJECTS | UNITS | | | Total no. of units | Prerequisite  (co-requisite) |
|  |  | Lec | Lab | Studio |  |  |
| CADD 5 | Computer aided design & drafting for architecture 5  (photoshop) | 1 | 0 | 2 | 3 | CADD 4 |
| AR Design 8 | Architectural design 8 (design of complex structures) | 1 | 0 | 4 | 5 | AR DESIGN 7 |
| Planning 3 | Planning 3(introduction to urban & regional planning) | 3 | 0 |  | 3 | Planning 2 |
| Prof. Prac 3 | Professional practice 3 (global practice in the 21st century) | 3 | 0 |  | 3 | PROF PRAC. 2 |
| AR Struc | Architectural structures | 3 | 0 |  | 3 | BES 5 |
| RMA | Research methods of architecture | 3 | 0 |  | 3 | ENG 3 |
| Specialization 1 | Specialization 1 | 3 | 0 |  | 3 | AR DESIGN 7 |
|  | Sub total | 17 | 0 | 6 | 23 |  |

**FIFTH YEAR 2ND SEMESTER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CODE | SUBJECTS | UNITS | | | TOTAL NO. OF UNITS | Prerequisite  (co-requisite) |
|  |  | Lec | Lab | Studio | 3 |  |
| Rizal | Life & works of rizal | 3 | 0 | 0 | 3 |  |
|  | Taxation & agrarian reform | 3 | 0 | 0 | 3 |  |
| Soc Sci 4 | Politics &governance with new constitution | 3 | 0 | 0 | 3 |  |
| AR Design 10 | Architectural design 10(thesis research application) | 1 | 0 | 4 | 5 | AR DESIGN 9 |
| Specialization 3 | Specialization 3 | 3 | 0 | 0 | 3 | AR DESIGN 9 |
|  | Sub total | 13 | 0 | 4 | 17 |  |

**Total no. of units = 243**

**FIFTH YEAR - 1st SEMESTER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CODE | SUBJECTS | UNITS | | | Total | Prerequisite  (co-requisite) |
|  |  | Lec | Lab | Studio |  |  |
| Philo 1 | Philosophy | 3 | 0 | 0 | 3 |  |
| Hum 1 | Humanities | 3 | 0 | 0 | 3 |  |
| Soc Sci 2 | Sociology or anthropology | 3 | 0 | 0 | 3 | PLAN 2&PROF PRAC 1 |
| Housing | Housing | 3 | 0 | 0 | 3 | All courses in 1st year-4th year level |
| AR Design 9 | Architectural design 9(thesis research writing) | 1 | 0 | 4 | 5 |  |
| Specialization 2 | Specialization 2 | 3 | 0 | 0 | 3 | AR DESIGN 8 |
| AR Compre | Architecture comprehensive course | 3 | 0 | 0 | 3 | All courses in 1st year-4th year level |
|  |  |  |  |  |  |  |
|  | Sub total | 19 | 0 | 4 | 23 |  |