



BACHELOR OF SCIENCE IN BIOLOGY

Major in Plant Biology

Proposed Revised Curriculum Based on CMO 49, s. 2017

BOR Resolution No. 062-671-18

First Year – First Semester

| Course Code | Descriptive Title | Hours/Wk Lec/Lab | Credit Unit | Pre Requisite |
|--------------|-----------------------------------|---------------------|----------------|------------------|
| Self 1 | Understanding the Self | 3 | 3 | |
| Math 1 | Mathematics in the Modern World | 3 | 3 | |
| Eng 1 | Purposive Communication | 3 | 3 | |
| Hist 1 | Readings in Philippine History | 3 | 3 | |
| Fil 1 | Pag-aaral ng Diskurso sa Filipino | 3 | 3 | |
| Hum 1 | Art Appreciation | 3 | 3 | |
| Elec 1 | Living in the IT Era | 3 | 3 | |
| NSTP 1 | National Service Training Program | 3 | 3 | |
| P.E. 1 | Physical Fitness | 2 | 2 | |
| TOTAL | | | 26 | |

First Year – Second Semester

| Course Code | Descriptive Title | Hours/Wk Lec/Lab | Credit Unit | Pre Requisite |
|---------------------|---|---------------------|----------------|------------------|
| CW 1 | The Contemporary World | 3 | 3 | |
| Sci, Tech & Society | Science, Technology & Society | 3 | 3 | |
| Rizal | Life and Works of National Hero Dr. Jose Rizal | 3 | 3 | |
| Ethics | Ethics | 3 | 3 | |
| Fil 2 | Perspektibong Historikal ng Panitikan ng Panitikan sa Pilipinas | 3 | 3 | Fil 1 |
| Elec 2 | Gender and Society | 3 | 3 | |
| Elec 3 | Great Books | 3 | 3 | |
| Bio Tool 1 | Chemical Biology I | 2/3 | 3 | |
| NSTP 2 | National Service Training Program 2 | 3 | 3 | NSTP 1 |
| PE 2 | Rhythmic Activities | 2 | 2 | P.E. 1 |
| TOTAL | | | 29 | |

Second Year - First Semester

| Course Code | Descriptive Title | Hours/Wk Lec/Lab | Credit Unit | Pre Requisite |
|--------------|-------------------------------------|---------------------|----------------|------------------|
| Bot 1 | General Botany | 3/6 | 5 | Bio Tool 1 |
| Zoo 1 | General Zoology | 3/6 | 5 | Bio Tool 1 |
| Bio 2 | Evolutionary Biology | 3/6 | 5 | Bio Tool 1 |
| Bio Tool 2 | Chemical Biology II | 2/3 | 3 | Bio Tool 1 |
| Bio Tool 3 | Statistical Biology | 2/3 | 3 | Math 1 |
| Eng 2 | English Language Enhancement Course | 3/3 | 3 | |
| PE 3 | Individual /Dual Sports | 2 | 2 | P.E. 1 |
| TOTAL | | | 26 | |



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Second Year - Second Semester

| Course Code | Descriptive Title | Hours/Wk Lec/Lab | Credit Unit | Pre Requisite |
|------------------|----------------------|---------------------|----------------|------------------|
| Specialization 1 | Plant Morphoanatomy | 3/6 | 5 | Bio 1 & 2 |
| Specialization 2 | Plant Physiology | 3/6 | 5 | Bio 1 & 2 |
| Bio 3 | Systematics | 3/6 | 5 | Bio 1 & 2 |
| Bio 4 | Microbiology | 3/6 | 5 | Bio 1 & 2 |
| Bio Tool 4 | Chemical Biology III | 3/6 | 5 | Bio Tool 3 |
| PE 4 | Team Sports/Games | | 2 | P.E. 1 |
| TOTAL | | | 27 | |

Third Year – First Semester

| Course Code | Descriptive Title | Hours/Wk Lec/Lab | Credit Unit | Pre Requisite |
|------------------|------------------------------|---------------------|----------------|--------------------------------|
| Bio 5 | General Physiology | 3/6 | 5 | Bio 3 & 4 |
| Specialization 3 | Plant Growth and Development | 3/6 | 5 | Specialization 1 & 2; Zoo 1 |
| Specialization 4 | Mosses, Hepatics, Ferns | 3/6 | 5 | Specialization 1 & 2; Zoo 1 |
| Bio 6 | General Ecology | 3/6 | 5 | Bio 2; Bio Tool 2 |
| Bio Tool 5 | Biophysics | 2/6 | 4 | Bio Tool 4 |
| TOTAL | | | 24 | |

Third Year - Second Semester



| Course Code | Descriptive Title | Hours/Wk Lec/Lab | Credit Unit | Pre Requisite |
|------------------|--|---------------------|----------------|------------------------|
| Specialization 5 | Economic Botany | 3/6 | 5 | Specialization 4 |
| Bio 7 | Developmental Biology | 3/6 | 5 | Bot 1, Zoo 1; Bio 5 |
| Free Elect 1 | Biological Resource Management | 3 | 3 | |
| Bio 8 | Genetics | 3/6 | 5 | Bio Tool 2, Bio 5 |
| Lit 2 | Readings on World's Literary Masterpieces | 3/3 | 3 | |
| Thesis I | Undergraduate Thesis Writing I in Biology | 3 | 3 | Junior Standing |
| TOTAL | | | 24 | |

Fourth Year - First Semester

| Course Code | Descriptive Title | Hours/Wk Lec/Lab | Credit Unit | Pre Requisite |
|------------------|---|---------------------|----------------|---------------------|
| Specialization 6 | Ethnobotany | 3/6 | 5 | Specialization 5 |
| Specialization 7 | Taxonomy of Higher Vascular Plants | 3/6 | 5 | Specialization 5 |
| Bio 9 | Cell and Molecular Biology | 3/6 | 5 | Bio 8 |
| Thesis II | Undergraduate Thesis Writing II in Biology | 3 | 3 | Thesis I |
| Bio Tool 6 | Bioethics | 3 | 3 | |
| TOTAL | | | 21 | |



Fourth Year - Second Semester

| Course Code | Descriptive Title | Hours/Wk Lec/Lab | Credit Unit | Pre Requisite |
|--------------|---------------------|---------------------|----------------|--------------------|
| Practicum | Job Immersion | 240 hrs | 3 | Senior Standing |
| Free Elec 2 | Plant Biotechnology | 3 | 3 | |
| TOTAL | | | 6 | |



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Summary

| | No. of Units |
|------------------------|--------------|
| General Education | 45 |
| Biology Tool Courses | 21 |
| Fundamental Courses | 50 |
| Specialization Courses | 35 |
| Free Electives | 6 |
| Undergraduate Thesis | 6 |
| Practicum | 3 |
| Mandated | |
| Rizal | 3 |
| PE | 8 |
| NSTP | 6 |
| Total | 183 |

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