

PAMANTASAN NG CABUYAO

Curriculum

Katapatan Subd., Banaybanay, City of Cabuyao, Laguna

Information Technology - Database Administration

2014

| Course Code | Description | Lec Unit | Lab Unit | Pre-Requisite | Pro. Course |
|------------------------------|---|-----------|----------|---------------|-------------|
| <u>1st yr/1st sem</u> | | | | | |
| SOCSCI1 | Sociology w/ Family Panning and HIV Education | 3 | 0 | None | NO |
| ENG0 | Intensive Grammar Review | 3 | 0 | None | NO |
| ETHICS | Ethics for IT Professionals | 3 | 0 | None | NO |
| FIL1 | Komunikasyon sa Akademikong Filipino | 3 | 0 | None | NO |
| MATH1 | College Algebra | 3 | 0 | None | NO |
| NSTP1 | National Service Training Program 1 | 3 | 0 | None | NO |
| PE1 | Foundation of Physical Education & Health | 2 | 0 | None | NO |
| CS102a | Computer Programming 1 | 3 | 1 | None | NO |
| CS101 | Computer Fundamentals w/ Application Software | 3 | 1 | None | NO |
| | Total Units | 26 | 2 | | |
| <u>1st yr/2nd sem</u> | | | | | |
| NSTP2 | National Service Training Program 2 | 3 | 0 | NSTP1; | NO |
| FIL2 | Pagbasa at Pagsulat Tungo sa Pananaliksik | 3 | 0 | FIL1; | NO |
| ENG1 | Communication Skills 1 | 3 | 0 | ENG0; | NO |
| ITE11 | Application Software (Pure Lab) | 3 | 0 | CS101; | NO |
| MATH2 | Trigonometry | 3 | 0 | MATH1; | NO |
| CS105 | Data Structure and Algorithms | 3 | 1 | CS102a; | NO |
| CS104a | Database Management System 1 | 3 | 1 | CS102a; | NO |
| CS103 | Quality Consciousness, Habits & Process | 3 | 0 | ETHICS; | NO |
| PE2 | Gymnastics / Rhythmic Activities | 2 | 0 | PE1; | NO |
| | Total Units | 26 | 2 | | |
| <u>2nd yr/1st sem</u> | | | | | |
| ENG2 | Communication Skills 2 | 3 | 0 | ENG1; | NO |
| MATH3 | Analytic Geometry | 3 | 0 | MATH2; | NO |
| FIL3 | Masining na Pagpapahayag | 3 | 0 | FIL2; | NO |
| PE3 | Individual/Dual Sports | 2 | 0 | PE1; | NO |
| PHYSICS1a | Mechanics, Heat and Sound | 3 | 0 | MATH2; | NO |
| CS102b | Computer Programming 2 | 3 | 1 | CS105; | NO |
| CS104b | Database Management System 2 | 3 | 1 | CS104a; | NO |
| PHILO1 | Intro. To Philosophy and Logic | 3 | 0 | None | NO |

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|-------|-------------------------------------|---|---|--------|----|
| CS106 | Discrete Math with Abstract Algebra | 3 | 0 | MATH2; | NO |
|-------|-------------------------------------|---|---|--------|----|

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|--------------------|-----------|----------|--|--|--|
| Total Units | 26 | 2 | | | |
|--------------------|-----------|----------|--|--|--|

2nd yr/2nd sem

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|-------|----------------------------|---|---|---------|----|
| ITE12 | System Analysis and Design | 3 | 0 | CS104b; | NO |
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| CS104c | Database Management System 3 | 3 | 1 | CS104b; | NO |
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| ENG3 | Fundamentals of Speech Communication | 3 | 0 | ENG2; | NO |
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| CS107a | Object-Oriented Programming 1 | 3 | 1 | CS102b; | NO |
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| CS108 | Logic Design and Switching | 3 | 0 | CS106; | NO |
|-------|----------------------------|---|---|--------|----|

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| CS109a | Web Development 1 | 3 | 1 | CS102b; | NO |
|--------|-------------------|---|---|---------|----|

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| CS110a | Data Communication 1 | 3 | 1 | CS102a; | NO |
|--------|----------------------|---|---|---------|----|

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| PHYSICS2a | Electricity and Magnetism | 3 | 0 | PHYSICS1a; | NO |
|-----------|---------------------------|---|---|------------|----|

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| PE4 | Team Sports | 2 | 0 | PE1; | NO |
|-----|-------------|---|---|------|----|

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|--------------------|-----------|----------|--|--|--|
| Total Units | 26 | 4 | | | |
|--------------------|-----------|----------|--|--|--|

3rd yr/1st sem

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| LIT1 | Introduction to Philippine Literature | 3 | 0 | ENG2; | NO |
|------|---------------------------------------|---|---|-------|----|

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| STAT1 | Basic and Applied Statistics | 3 | 0 | MATH2; | NO |
|-------|------------------------------|---|---|--------|----|

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| IT103 | Information System Security | 3 | 0 | CS103; | NO |
|-------|-----------------------------|---|---|--------|----|

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| CS112 | Principles of Operating System | 3 | 1 | CS105; | NO |
|-------|--------------------------------|---|---|--------|----|

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| CS107b | Object Oriented Programming 2 | 3 | 1 | CS107a; | NO |
|--------|-------------------------------|---|---|---------|----|

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| ENG4 | Business, Technical and Report Writing | 3 | 0 | ENG3; | NO |
|------|--|---|---|-------|----|

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| IT102 | Database Administration | 3 | 0 | CS104b; | NO |
|-------|-------------------------|---|---|---------|----|

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| HUM1 | Intro to Humanities | 3 | 0 | None | NO |
|------|---------------------|---|---|------|----|

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| CS104d | Database Management System 4 | 3 | 1 | CS104c; | NO |
|--------|------------------------------|---|---|---------|----|

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|--------------------|-----------|----------|--|--|--|
| Total Units | 27 | 3 | | | |
|--------------------|-----------|----------|--|--|--|

3rd yr/2nd sem

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|-------|------------------------|---|---|--------|----|
| IT104 | Distributed Processing | 3 | 0 | IT103; | NO |
|-------|------------------------|---|---|--------|----|

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| ELECT1 | Free Elective 1 | 3 | 0 | None | NO |
|--------|-----------------|---|---|------|----|

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| IT107 | Multimedia System (Pure Lab) | 3 | 0 | HUM1; | NO |
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| CS116 | Thesis 1 | 3 | 0 | CS107b; CS104d; | NO |
|-------|----------|---|---|--------------------|----|

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| PSYCHO1 | General Psychology | 3 | 0 | None | NO |
|---------|--------------------|---|---|------|----|

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| ELECT2 | Free Elective 2 | 3 | 0 | None | NO |
|--------|-----------------|---|---|------|----|

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| STAT2 | Advance Statistics | 3 | 0 | STAT1; | NO |
|-------|--------------------|---|---|--------|----|

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|--------------------|---|-----------|----------|---------|----|
| ITE13 | Object Oriented Analysis and Design using UML | 3 | 1 | CS107b; | NO |
| ITE14 | Mobile Application Development | 3 | 1 | CS107b; | NO |
| Total Units | | 27 | 2 | | |

4th yr/1st sem

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|--------------------|--|-----------|----------|--------|----|
| ELECT3 | Free Elective 3 | 3 | 0 | None | NO |
| CS118 | Computer Graphics Programming | 3 | 1 | IT107; | NO |
| CS117 | Thesis 2 | 3 | 0 | CS116; | NO |
| CS121 | Animation (Pure Lab) | 3 | 0 | IT107; | NO |
| HIST1 | Philippine History | 3 | 0 | None | NO |
| ACCTG1a | Fundamentals of Accounting 1 | 3 | 0 | MATH1; | NO |
| IT105 | Parallel Processing | 3 | 0 | IT104; | NO |
| RIZAL | Life and Works of Rizal | 3 | 0 | None | NO |
| SOCSCI2 | Philippine Government and Constitution | 3 | 0 | None | NO |
| Total Units | | 27 | 1 | | |

4th yr/2nd sem

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|--------------------|-------------------------------|-----------|----------|-------------------|----|
| ELECT4 | Free Elective 4 | 3 | 0 | None | NO |
| IT500 | On-the-Job Training (500 hrs) | 9 | 0 | 4th Year Standing | NO |
| CS120 | Seminars | 3 | 0 | 4th Year Standing | NO |
| Total Units | | 15 | 0 | | |