

PAMANTASAN NG CABUYAO

Curriculum

Katapatan Subd., Banaybanay, City of Cabuyao, Laguna

Computer Science - (none)

2014

| Course Code | Description | Lec Unit | Lab Unit | Pre-Requisite | Pro. Course |
|------------------------------|-----------------------------------------------|-----------|----------|--------------------|-------------|
| <u>1st yr/1st sem</u> | | | | | |
| 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 |
| 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 |
| MATH1 | College Algebra | 3 | 0 | None | NO |
| Total Units | | 23 | 2 | | |
| <u>1st yr/2nd sem</u> | | | | | |
| NSTP2 | National Service Training Program 2 | 3 | 0 | NSTP1; | NO |
| ITE11 | Application Software 2 | 3 | 0 | CS101; | NO |
| MATH2 | Trigonometry | 3 | 0 | MATH1; | NO |
| FIL2 | Pagbasa at Pagsulat Tungo sa Pananaliksik | 3 | 0 | FIL1; | NO |
| ENG1 | Communication Skills 1 | 3 | 0 | ENG0; | NO |
| CS104a | Database Management System 1 | 3 | 1 | CS101; CS102a; | NO |
| CS103 | Quality Consciousness, Habits & Process | 3 | 0 | ETHICS; | NO |
| CS102b | Computer Programming 2 | 3 | 1 | CS101; CS102a; | NO |
| PE2 | Gymnastics / Rhythmic Activities | 2 | 0 | PE1; | NO |
| Total Units | | 26 | 2 | | |
| <u>2nd yr/1st sem</u> | | | | | |
| MATH3 | Analytic Geometry | 3 | 0 | MATH2; | NO |
| PHILO1 | Intro. To Philosophy and Logic | 3 | 0 | None | NO |
| ENG2 | Communication Skills 2 | 3 | 0 | ENG1; | NO |
| PE3 | Individual/Dual Sports | 2 | 0 | PE1; | NO |
| CS104b | Database Management System 2 | 3 | 1 | CS104a; CS102b; | NO |
| CS105 | Data Structure and Algorithms | 3 | 1 | CS102a; | NO |
| CS106 | Discrete Math with Abstract Algebra | 3 | 0 | MATH2; | NO |

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| | | | | | |
|--------------------|------------------------------------------------|-----------|----------|--------|----|
| SOCSCI1 | Sociology w/ Family Planning and HIV Education | 3 | 0 | None | NO |
| PHYSICS1a | Mechanics, Heat and Sound | 3 | 0 | MATH2; | NO |
| Total Units | | 26 | 2 | | |

2nd yr/2nd sem

| | | | | | |
|--------------------|-------------------------------|-----------|----------|------------|----|
| PHYSICS2b | Electricity and Magnetism | 3 | 0 | PHYSICS1a; | NO |
| PE4 | Team Sports | 2 | 0 | PE1; PE3; | NO |
| ITE12 | System Analysis and Design | 3 | 0 | CS104b; | NO |
| MATH5 | Calculus 1 | 3 | 0 | MATH3; | NO |
| CS107a | Object-Oriented Programming 1 | 3 | 1 | CS102b; | NO |
| CS109a | Web Development 1 | 3 | 1 | CS102b; | NO |
| CS110a | Data Communication 1 | 3 | 1 | CS101; | NO |
| CS108 | Logic Design and Switching | 3 | 0 | CS106; | NO |
| Total Units | | 23 | 3 | | |

3rd yr/1st sem

| | | | | | |
|--------------------|--------------------------------------|-----------|----------|---------|----|
| STAT1 | Basic and Applied Statistics | 3 | 0 | MATH2; | NO |
| MATH6 | Calculus 2 | 3 | 0 | MATH5; | NO |
| HIST1 | Philippine History | 3 | 0 | None | NO |
| CS112 | Principles of Operating System | 3 | 1 | CS105; | NO |
| CS107b | Object Oriented Programming 2 | 3 | 1 | CS107a; | NO |
| CS109b | Web Development 2 | 3 | 1 | CS109a; | NO |
| CS111 | Automata Theory | 3 | 0 | CS106; | NO |
| ENG3 | Fundamentals of Speech Communication | 3 | 0 | ENG2; | NO |
| Total Units | | 24 | 3 | | |

3rd yr/2nd sem

| | | | | | |
|-------|-----------------------------------------------|---|---|----------------------|----|
| FIL3 | Masining na Pagpapahayag | 3 | 0 | FIL2; | NO |
| CS116 | Thesis 1 | 3 | 0 | 3rd Year Standing | NO |
| CS115 | Computer Architecture with Assembly Language | 3 | 1 | CS102b; | NO |
| CS114 | Compiler Design | 3 | 0 | CS111; | NO |
| CS113 | Principles of Programming Language | 3 | 0 | CS107b; | NO |
| STAT2 | Advance Statistics | 3 | 0 | STAT1; | NO |
| ITE13 | Object Oriented Analysis and Design using UML | 3 | 1 | CS107b; | NO |
| ITE14 | Mobile Application Development | 3 | 1 | CS107b; | NO |

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|--------------------|---------------------------------------|-----------|----------|-------|----|
| LIT1 | Introduction to Philippine Literature | 3 | 0 | ENG2; | NO |
| Total Units | | 27 | 3 | | |

4th yr/1st sem

| | | | | | |
|--------------------|----------------------------------------|-----------|----------|-------------------|----|
| ENG4 | Business, Technical and Report Writing | 3 | 0 | ENG2; | NO |
| HUM2 | Art Education and Appreciation | 3 | 0 | ENG2; | NO |
| ACCTG1a | Fundamentals of Accounting 1 | 3 | 0 | MATH1; | NO |
| ELECT1 | Free Elective 1 | 3 | 0 | 4th Year Standing | NO |
| CS118 | Computer Graphics Programming | 3 | 1 | 4th Year Standing | NO |
| CS117 | Thesis 2 | 3 | 0 | CS116; | NO |
| CS119 | Artificial Intelligence | 3 | 0 | 4th Year Standing | NO |
| Total Units | | 21 | 1 | | |

4th yr/2nd sem

| | | | | | |
|--------------------|---------------------------------------|-----------|----------|-------------------|----|
| CS500 | On-the-Job Training (200 Hrs) | 3 | 0 | 4th Year Standing | NO |
| SOCSCI2 | Philippine Government and Consitution | 3 | 0 | None | NO |
| CS120 | Seminars | 3 | 0 | 4th Year Standing | NO |
| RIZAL | Life and Works of Rizal | 3 | 0 | None | NO |
| PSYCHO | General Psychology | 3 | 0 | None | NO |
| CS121 | Animation (Pure lab) | 3 | 0 | CS118; | NO |
| ELECT2 | Free Elective 2 | 3 | 0 | 4th Year Standing | NO |
| ELECT3 | Free Elective 3 | 3 | 0 | 4th Year Standing | NO |
| Total Units | | 24 | 0 | | |