



UNIVERSITY LIBRARIES

**REVISED CURRICULUM
BACHELOR IN INDUSTRIAL TECHNOLOGY (BIT)
MAJOR IN HEATING, VENTILATING AND AIR CONDITIONING (HVAC)
(Effective First Semester, AY 2018-2019)**

**FIRST YEAR
FIRST SEMESTER**

Subject Code: **HVAC 111**

Course Title: **OCCUPATIONAL HEALTH AND SAFETY**

Course Description: This course provides the students with the knowledge needed in occupational health and safety. It also provides the necessary safety tips about how to fully care themselves while working in the company

Call No.	Author	Title of Book	Copyright date	No. of copies
HD 8051 .M36o 2020	Mantaring, Allan V.	Occupation safety and health policies of the department of public works and highways in region III : an analysis	2020	1
CIR T 55 .G64o9 2019	Goetsch, David L	Occupational safety and health for technologists, engineers, and managers	2019	1
CIR T 55 .B78s3 2016	Brauer, Roger L.	Safety and health for engineers	2016	1
	Phil Hughes MBE / Ed Ferrett	Introduction to Health and Safety at Work 6 th Edition	2016	1
CIR HV 40 .J36s 2016	Jansson, Bruce S.	Social welfare policy and advocacy : advancing social justice through 8 policy sectors	2016	1
CIR TP 150.S24 .S64s2 2013	Speegle, Michael.	Safety, health, and environmental concepts for the process industry	2013	1
			TOTAL	7

Subject Code: **HVAC 112**

Course Title: **BASIC ELECTRICITY, ELECTRONICS AND SEMI-CONDUCTOR**

Course Description: This subject deals with the principles of electricity, electronics theories and semi-conductors. It's also includes Basic electrical components, semi conductor and electrical instruments.

Call No.	Author	Title of Book	Copyright date	No. of copies
		Electricity for refrigeration heating air conditioning		2
CIR 621.301 Si64b 2000	Singer, Brtrand B.	Basic mathematics for electricity and electronics	2000	1
FIL QC 523 V45 1992	Velasco, Benjamin S.	Fundamentals of electricity : basic text- lab_manual	1992	1
CIR QA 76.73.B3 V5674 1999	Fitzgerald, A. E	Basic Electrical Engineering : circuits, electronics, machines, controls	1982	2
			TOTAL	6

Subject Code: **HVAC 113**



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Course Title: **PRINCIPLES OF REFRIGERATION AND AIR CONDITIONING**

Course Description: Principles of Refrigeration and Air-Conditioning This subject deals with the Principle and Theories of compression system, Refrigeration and Air-Conditioning. It also includes mechanical component such as compressor, condenser, evaporator, refrigerants and refrigerant control.

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR TP 492 .A57 2015		Air conditioning and refrigeration technology	2015	1
		Refrigeration and air conditioning technology		2
FIL TH 7687 S73 1989	Sta.Maria, Hipolito B.	Refrigeration and air conditioning	2001	1
FIL HD 509.9 C33 1994	Cabangon, Joy Job.	Refrigeration and air conditioning : repair and troubleshooting guide	1994	1
			TOTAL	5

Subject Code: **G.E. I**

Course Title: **UNDERSTANDING THE SELF**

Course Description: The course deals with nature of identity; factors and forces that affect the development and maintenance of personal identity

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR P 53 .O94t2 2017	Oxford, Rebecca L.	Teaching and researching language learning strategies : self-regulation in context	2017	1
FIL TX 769 .P73b 2015 c.1	Prades, Corazon Barateta.	Bread and pastry production NC II : (a self learning module)	2015	1
REF 299.936 H861h 2012	Hubbard. L. Ron	Humanitarian restoring honor& self-respect	2012	1
			TOTAL	3

Subject Code: **G.E. FIL. I**

Course Title: **KONTEKSTWALISADONG KOMUNIKASYON SA FILIPINO (KOMFIL)**

Course Description: Ang KOMFIL ay isang praktikal na kursong nagpapalawak at nagpapalalim sa kontekstwalisadong komunikasyon sa wikang Filipino ng mga mamamayang Pilipino sa kani-kanilang mga komunidad sa particular, sa buong lipunang Pilipino sa pangkalahatan. Nakatuon ang kursong ito sa makrokasanayang pakikinig at pagsasalita, gayundin sa kasanayan sa paggamit ng iba't ibang tradisyunal at modernong midya na makabuluhan sa kontekstong Pilipino sa iba't ibang antas at larangan.

Call No.	Author	Title of Book	Copyright date	No. of copies
FIL LB 1033.5 .M67k 2016 c.2	Mortera, Melvin O.	Komunikasyon at pananaliksiksawika at kulturang Pilipino / : batayangmateryalsapagkataong Filipino sabaytong II saprogramang K-12	2016	1
FIL LB 1033.50 .M67k 2016 c.1	Mortera, Melvin O.	Komunikasyon sa akademikong Filipino	2016	1
FIL LB 1033.50 .M67k 2016 c.1	Mortera, Melvin O.	Komunikasyonsaakademikong Filipino	2015	1
FIL P 92.P6 J67 2007	Jose A. Arrogante.	Siningngkomunikasyonsaakademikong Filipino	2013	1
			TOTAL	4



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Call No.	Author	Title of Book	Copyright date	No. of copies
FIL LB 1033.5 .M67k 2016 c.2	Mortera, Melvin O.	Komunikasyon at pananaliksik sa wika at kulturang Pilipino / : batayang materyal sa pagkatao ng Filipino sa baytang II sa programang K-12	2016	1
FIL LB 1033.50 .M67k 2016 c.1	Mortera, Melvin O.	Komunikasyon sa akademikong Filipino	2015	1
FIL P 92.P6 J67 2007	Jose A. Arrogante.	Sining ng komunikasyon sa akademikong Filipino	2013	1
			TOTAL	3

Subject Code: **G.E. 2**

Course Title: **MGA BABASAHIN HINGGIL SA KASAYSAYAN NG PILIPINAS**

Course Description: Mga piling primaryang sanggunian ukol sa iba't ibang yugto ng kasaysayan ng Pilipinas, pagsusuri at interpretasyon

Call No.	Author	Title of Book	Copyright date	No. of copies
FIL DS 668 .C35k 2013 c.1	Calilung, Froilan C.	Kamalayan:kultura't kasaysayan : a college textbook in Philippine history	2013	1
FIL PL 6161 S25p 1989	Santiago, Erlinda M.	Panitikang Filipino : kasaysayan at pag-unlad pangkolehiyo	2015	1
FIL DS 664 V46 1997	Veneracion Jaime B.	Agos ng dugong kayumanggi Isang kasaysayan ng sambayanang pilipino	1997	1
			TOTAL	3

Subject Code:**DRAW 11**

Course Title: **FUND OF TECH'L SKETCHING, DRAWING AND BLUEPRINT READING**

Course Description: Fundamentals sketching and instrument drawing deals with pencil and sketching lines, study and practice of single stroke lettering both pencil and ink. This also deals with proper use and care of drawing instrument and simple geometrical construction and design.

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR TT 509 .F37 2018		Fashion sketch and illustrating book.	2018	1
CIR T 353 .G52 1986V46 1997	Giesecke, Frederick E	Technical drawing	1997	2
FIL T 353 O78 1995	Ortiz, Munsayac C.	Practical technical drawing : for high school and college students	1995	5
CIR T 353 .G63 1986	Goetsch, David L.	Technical drawing and design	1986	2
			TOTAL	10

Subject Code:**ICT 11**

Course Title: **INTRODUCTION TO INFO AND COM. TECHNOLOGY**

Course Description:

Call No.	Author	Title of Book	Copyright date	No. of copies
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CIR HD 69.P75 .S39m6 2013	Schwalbe, Kathy.	Management information technology projects	2013	1
FIL T 58.5 .A43i 2003	Albano, Gisela May A.	Introduction to information technology	2003	16
CIR QA 76.9 L65 2002	Larry Long, Nancy Long.	Computers information technology in perspective	2002	2
CIR LA E538p 2000	Espiritu, ZScorro C.	Philippine educational system : information technology	2000	4
			TOTAL	23

Subject Code: **PE 1**

Course Title: **ADVANCE GYMNASTICS**

Course Description:

Call No.	Author	Title of Book	Copyright date	No. of copies
FIL GV 365 .A63p1 2017	Aparato, Conrado R.	Physical education and health (Volume II)	2017	1
FIL GV 365 .C35p 2016	Callo, Lualhati Fernando	Physical education and health	2016	1
CIR GV 363 .L86s3 2015	Lund, Jacalyn Lea.	Standards-based physical education curriculum development	2015	1
CIR LB 176L128t 2013	Lacia, Gerardo C	The 21st century MAPEH in action / : worktext in music,arts,physical education and health	2013	1
CIR GV 211 .F73 2012		Physical education, exercise, and sport science i n a changing society	2012	1
FIL GV 303 G48 1985	Getchell, Bud	Physical fitness a way of life	1985	1
			TOTAL	6

**FIRST YEAR
SECOND SEMESTER**

Subject Code: **HVAC 121**

Course Title: **ELECTRIC MOTOR, CIRCUIT CONTROL APPLICATION**

Course Description: This subject deals with the study of electric motor and circuit control application, types of electric motor protection, service and repair of motor compressor, and fan motor units. It also includes, diagnosing operational faults and corrective measures as well as preventive maintenance of refrigeration and air-conditioning.

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR TK 2851 .H47i7 2014	Herman, Stephen L.	Industrial motor control	2014	1
			TOTAL	1

Subject Code: **HVAC 122**



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Course Title: **SYSTEM OPERATION FOR DRAC**

Course Description: This course deals with the study of system operation for domestic Refrigeration and Air-conditioning. Its also include flushing leak testing, evacuating, and charging procedure. It also includes, diagnosing operational faults and corrective measures as well as preventive maintenance of domestic refrigeration and air-conditioning.

Call No.	Author	Title of Book	Copyright date	No. of copies
			TOTAL	

Subject Code:**DRAW 12**

Course Title: **ADVANCE TECH'L SKETCHING, DRAWING AND BLUEPRINT READING**

Course Description:

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR TT 509 .F37 2018		Fashion sketch and illustrating book.	2018	1
CIR T 353 .M33e6 2017	Madsen, David A.	Engineering drawing and design	2017	1
CIR T 353 .G54t 2016	Giesecke, Frederick E	Technical drawing with engineering graphics	2016	1
CIR T 379 .B46b9 2014	Bennett, A. E.,	Blueprint reading for welders	2014	1
CIR T 353 .G52 1986V46 1997	Giesecke, Frederick E	Technical drawing	1983	3
FIL T 353 O78 1995	Ortiz, Munsayac C.	Practical technical drawing : for high school and college students	1995	5
CIR T 353 .G63 1986	Goetsch, David L.	Technical drawing and design	1986	2
			TOTAL	13

Subject Code: **G.E. 3**

Course Title: **THE CONTEMPORARY WORLD**

Course Description: The globalization and its impact on individuals, communities and nations, challenges and responses.

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR HM 585 .G53e2 2017	Giddens, Anthony	Essential concepts in sociology	2017	1
CIR JF 1351 .R33g 2015	Raadschelders, Jos C.N.	Global dimensions of public administration and governance : a comparative voyage.	2015	1



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CIR HD 30.335 .E54 2015		E-business : a global scenario.	2015	1
CIR GE 149 .S54 2015	Attfield, Robin	Significant concepts in global environmental change.	2015	1
CIR HD 62.4 .P46g3 2014	Peng, Mike W.	Global strategic management	2014	1
			TOTAL	5

Subject Code:**G.E. FIL. 2**

Course Title: **FILIPINO SA IBA'T-IBANG DISIPLINA (FILDIS)**

Course Description:Ang FILDIS ay isangpraktikalnakursongnagpapalawak at nagpapalalimsakanayansamalalim at mapanuringpagbasa, pagsulat at pananaliksiksawikang Filipino saiba'tibanglarangan, sakontekstongkontemporaryongsitwasyon at mgapangangailanganngbansa at ngmgamamayang Pilipino. Nakatuonangkursongitosamakrokasanayangpagbasa at pagsulat, gamitangmgamakabuluhangpananaliksiksawikang Filipino, bilanglunsaranngpagsasagawangpananaliksik (mulasapangangalapngdatos at pagsulatngboradorngpananaliksikhanggangsapublikasyon at/o presentasyonnito) nanakugatsamgasuliranin at realidadngmgakomunidadngmgamamamayansabansa at maging sakomunidadngmga Pilipino saiba pang bansa.

Saklawringkursongitoangpaglinangsakanayangpagsasalita, particular sapresentasyonngpananaliksiksaiba'tibangporma at venue.

Call No.	Author	Title of Book	Copyright date	No. of copies
FIL PL 6161 S25p 2015	Santiago, Erlinda M.	Panitikang Filipino : kasaysayan at pag-unladpangkolehiyo	2015	1
FIL PL 5517 P36 2009	TumanganAlcomtiser P.	Pagbasa at pagsulatsaiba'tibangdisiplina : Filipino 2	2009	2
			TOTAL	3

Subject Code:**ICT 12**

Course Title: **COMPUTER APPLICATION IN INDUSTRY AND BUSINESS**

Course Description:

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR T 386 .H36a 2018	Hamad, Munir M.	AutoCAD 2018 : beginning and intermediate	2018	1
CIR QA 76.76 .M34e 2016	Mahalakshmi, M	8051 microcontroller architecture, programming and application	2016	1
CIR QA 76.76 .P47i2 2015	Perkovic, Ljubomir.	Introduction to computing using Python : an application development focus	2015	1
CIR QA 76.5 .H64c10 2015	Hoggatt, Jack	Century 21 computer skills and applications	2015	1
CIR QA 76.9.D3 B56m 2011	Bingham, Richard	Managing oracle fusion applications : best practices for a high-performance enterprise application management strateg	2011	1
FIL HF 5695 .Q83 1999		Quantitative techniques for business : with case analysis and computer applications	1999	3
			TOTAL	5



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Subject Code: **PE 2**

Course Title: **RHYTHMIC ACTIVITIES FOLK DANCE/SOCIAL DANCES**

Course Description: This course deals with rhythmic analysis and physical activities with rhythmic patterns. It offers background of fundamental dance steps of the Philippine Fol Dance, Ballroom dances, foreign and modern dance for social recreation. It includes the background, basic steps and steps pattern analysis in order to distinguish their differences and similarities. It introduces the students t the variety of dance steps, correct body movements and style in achieving of success in dancing for enjoyment for socialization and for physical exercise and dance skill.

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR GV 363 .L86s3 2015	Lund, Jacalyn Lea.	Standards-based physical education curriculum development	2015	3
CIR LB 176L128t 2013	Lacia, Gerardo C	The 21 st century MAPEH in action / : worktext in music,arts,physical education and health	2013	1
FIL GV 303 G48 1985	Getchell, Bud	Physical fitness a way of life	1985	1
FIL GV 1703 A78 1960	Aquino, Francisca R.	Philippine Folk dance	1960	1
FIL 613.7 Oy1a 1984	Oyco, Virginia D	Aerobic dance and stretch handbook : A guide for aerobic dance instructors, recreation leaders, physical education teachers, and physical fitness	1984	2
			TOTAL	8

**SECOND YEAR
FIRST SEMESTER**

Subject Code: **HVAC 211**

Course Title: **INSTALLATION OF ELECTRICAL/MECH'L COMPONENTS & CONTROL, OF
COMMERCIAL REFRIGERATION EQUIPMENT**

Course Description: This subject deals with installation of electrical circuit connection and mechanical components of commercial refrigeration equipment. It's also includes the testing for ground open and short circuit and also the checking of the mechanical system for leak before commissioning.

Call No.	Author	Title of Book	Copyright date	No. of copies
		Commercial refrigeration air conditioning technicians		2

Subject Code: **HVAC 212**

Course Title: **RECOVERY, RECYCLING AND RETROFITTING**



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Course Description: This subject deals with the ozone issue and Montreal protocol, Kyoto protocol and DENR registration or ODS importers, Distributors, Dealer and Retailers. It's also includes knowledge and skills in recovery, recycling and retrofitting commercial refrigeration system.

Call No.	Author	Title of Book	Copyright date	No. of copies
		Refrigeration and air conditioning technology		2

Subject Code: **G.E. 6**

Course Title: **ART APPRECIATION**

Course Description: Develop student's ability to appreciate, analyze and critique, work of art. This course equips students with a broad knowledge of the practical, historical, philosophical and social relevance of the arts in order to hone students ability to articulate their understanding of the arts.

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR NC 997 .E92e3 2013	Evans, Poppy	Exploring the elements of design.	2014	1
FIL N 7327 .R36 2008	Ramirez, Fred	Modern art	2012	1
REF 739.27 C984y 2008	Cus, Rafael	Yin and Yang	2008	1
FIL NX 280 P36 1969	Panizo, Alfredo.	Art appreciation and aesthetic : an approach to the humanities.	1985	1
			TOTAL	4

Subject Code: **G.E. FIL 3**

Course Title: **DALUMAT NG/SA FILIPINO (DALUMATFIL)**

Course Description: Ang DALUMATFIL ay isang maagwat na kursong nagpapalawak at nagpapalalimsak sa anyang samalalim at mapanuring pagbasa, pagsulat, at pananaliksik sa wikang Filipino sa iba't ibang larangan, sa kontekstong kontemporaryong sitwasyon at mgapangangailangan ng bansa at ng mgagamamayang Pilipino. Partikular na katuon ang kursong ito sa makro-kanayang pagbasa at pagsulat, gamitang mgamakabuluhang pananaliksik sa wikang Filipino, bilang lunsaran ng pagpapalawak at pagpapalalimsak sa anyang, kakayahan at kamalayang mga estudyante namalikhain at mapanuring makapagdalumat o "makapagteorya" sa wikang Filipino, bataysamga piling lokal at dayuhang konsepto at teorya na akmasa kontekstong komunidad at bansa

Call No.	Author	Title of Book	Copyright date	No. of copies
FIL LB 1033.50 .M67k 2016 c.1	Mortera, Melvin O.	Komunikasyon sa akademikong Filipino	2016	1
FIL LB 1033.5 .M67k 2016 c.2	Mortera, Melvin O.	Komunikasyon at pananaliksik sa wika at kulturang Pilipino / : batayang materyal sa pagkatao ng Filipino sa baytong II sa programang K-12	2016	1



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FIL PL 5517 B47m 2002	Rolando A. Bernales ...[etc].	Mabisang retorika sa wikang filipino : batayan at sanayang-aklat sa filipino 3, antas-tersyaryo	2002	1
FIL PL 5517 P36 2009	Tumangan Alcomtiser P.	Pagbasa at pagsulat sa iba't ibang disiplina : Filipino 2	2009	2
			TOTAL	5

Subject Code: **G.E. 5**

Course Title: **PURPOSIVE COMMUNICATION**

Course Description: Writing, speaking and presenting to different audiences and for various purposes

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR HF 5718 .G87e 2017	Gupta, Sanjay.	Communication skills	2017	1
FIL TK 5102.5 .V55c 2016	Villar, Michael John M.	Communication engineering	2016	1
CIR PE 1128.A2 .J33c 2016	Jadhao, Nitin R	Communication skills and english language teaching		1
FIL PE 1130.3 .L39d c.1	Lazo, Jennifer T.	Developing 9nglish communication skills for college learners : (a work text for college 9nglish)	2015	3
CIR 658.45 H223c 2004	Hargie, Owen	Communication skill effective management	2004	1
CIR HF 5718 .G87e 2017	Gupta, Sanjay.	Communication skills	2017	1
			TOTAL	7

Subject Code: **G.E. 4**

Course Title: **MATHEMATICS IN THE MODERN WORLD**

Course Description: Nature of mathematics, appreciation of its practical, intellectual and aesthetic dimensions, and application of mathematical tools in daily life.

Call No.	Author	Title of Book	Copyright date	No. of copies
DIS LB 1707 .B185i 2018	Bulalayao, Leonides E	ICT- based instructional materials in mathematics	2018	1
FIL QA 11 .P37g 2016 c.1	Parreño, Elizabeth B	General mathematics : (for Senior High Schoo	2016	1
CIR QA 39.3 .T87 2015	Tussy, Alan S.	Basic college mathematics with early integers	2015	2
CIR QA 39.3 .B45 2014	Bello, Ignacio	Topics in contemporary mathematics	2014	2
CIR QA 39.3 .R65 2014	Rolf, Howard L.	Finite mathematics	2014	1
CIR QA 11.2 .B3645 2014	Basta, Alfred	Mathematics for information technology	2014	1
FIL QA 393 C34 2010	Cabero, Jonathan B.	Discrete mathematics 1	2010	2



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CIR 510 B171m 1993	Balch, Kay	Mathematics : applications and connections	1993	1
CIR QA 401 .G55 2014	Giordano, Frank R.	A First course in mathematical modeling		1
			TOTAL	12

Subject Code:**P.E.3**

Course Title: **ADVANCED TEAM SPORTS**

Course Description: The course will provide the student with fundamental skills of team sports of their choice, e.g. baseball, basketball, sepak takraw, volleyball, soccer, etc. it includes the background, theory, demonstration and practice of game. Emphasis is on appreciation and its carry – over value in later life

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR QC 26 .L57 2016	Lisa, Michael.	The physics of sports	2016	1
CIR RD 97 .E47 2015	Casa, Douglas J., . Stearns, Rebecca L	Emergency management for sport and physical activity	2015	1
FIL GV 885.35 .S87p 2014 c.1	Cecilia B. Surio.	Physical fitness and basketball	2014	3
CIR GV 211 .F73 2012	Freeman, William Hardin, 1943	Physical education, exercise, and sport science I n a changing society	2012	1
FIL GV 303 G48 1985	Getchell, Bud	Physical fitness a way of life	1985	1
FIL 613.7 Oy1a 1984	Oyco, Virginia D	Aerobic dance and stretch handbook : A guide for aerobic dance instructors, recreation leaders, physical education teachers, and physical fitness enth	1984	2
FIL 613.7 M764y 1975	Montes, Bernardino T	Youth development training : physical education health education scouting citizenship training	1975	1
			TOTAL	10

**SECOND YEAR
SECOND SEMESTER**

Subject Code: **HVAC 221**

Course Title: **SERVICE REPAIR AND PREVENTIVE MAINTENANCE OF COMMERCIAL SYSTEM**

Course Description: This subject deals with the knowledge and skills needed in the service repair and maintenance of the commercial refrigeration and air-conditioning technology. It is also provide the proper skills in repairing refrigeration and air-conditioning unit. Lesson on safety and moral values development are to be taught hand in hand with skills development.

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR TJ 795 .N67 2007	Norman, Andrew	Diesel technology : fundamentals, service, repair	2007	1
		Commercial refrigeration air conditioning technicians		2
			TOTAL	3



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Subject Code: **HVAC 222**

Course Title: **MOBILE AIR CONDITIONING**

Course Description: This subject deals with the study of the commercial Automobile Air-Conditioning, and complete major components. It is also includes the new model in all brand of car and buses.

Call No.	Author	Title of Book	Copyright date	No. of copies
		Today's technician: automotive heating and air conditioning cm		2
			TOTAL	2

Subject Code: **HVAC 223**

Course Title: **PRINCIPLE OF COMMERCIAL RAC**

Course Description: This subject deals with the commercial refrigeration cycle, complete mechanical components, water cooled, air-cooled condenser and cooling tower. It also includes the advantage of non frosting evaporator, advantages of air cooled and water cooled condenser, various type of valve and multiple installation.

Call No.	Author	Title of Book	Copyright date	No. of copies
			TOTAL	

Subject Code: **G.E. 7**

Course Title: **SCIENCE, TECHNOLOGY AND SOCIETY**

Course Description: Interactions between science and technology and social, cultural, political, and economic contexts which shape and are shaped by them; specific examples throughout human history of scientific and technological developments.

Call No.	Author	Title of Book	Copyright date	No. of copies
FIL Q 163 .M133s 2017	Madriaga, Estrellita	Science links : worktext for scientific and technological literacy	2017	1
FIL QA 76.9 .E47 2016		Empowerment technologies	2016	1
CIR TT 958.3 .B68m3 2015	Botero, Alisha Rimando	Milady standard nail technology	2015	1
CIR TA 169 .R43 2012		Design for reliability.	2012	1
CIR U 27 .S74w 2009	Morillo, Stephen.	War in world history : society, technology, and war from ancient times to the present	2009	1
CIR Q 175.5 .M674 2006	Mosteiro, Arnaldo P.	Science technology and society : {a text-workbook)	2006	2
CIR Q 75i B187s 2004	Ballene-Seludo, Naressia D	Science, technology, society	1999	2
CIR T 262 S416 1993	Charles McFadden, Robert E.	Science plus : technology and society	1993	2
			TOTAL	11
Call No.	Author	Title of Book	Copyright date	No. of copies



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CIR Q 175.5 .M674 2006	Mosteiro, Arnaldo P.	Science technology and society : {a text-workbook)	2006	2
CIR Q 75i B187s 2004	Ballene-Seludo, Naressia D	Science, technology, society	1999	2
CIR T 262 S416 1993	Charles McFadden, Robert E.	Science plus : technology and society	1993	2
			TOTAL	6

Subject Code:**G.E. 9**

Course Title: **THE LIFE AND WORKS OF JOSE RIZAL**

Course Description: The life of Dr. Jose Rizal, his idea and ideals are reflected in his writings

Call No.	Author	Title of Book	Copyright date	No. of copies
FIL DS 675.8.R5 .D48j3 2014	De Viana, Augusto V.	Jose Rizal in our times : a guide for the better understanding of the Philippines' foremost national hero	2014	1
FIL DS 675 .Z35 2007	Zaide, Gregorio F.	Jose rizal: buhay, mga ginawa at mga sinulat ng isang henyo,manunulat, siyentipiko at pambansang bayani	2007	1
FIL DS 675 Z34 2003	Zaide, Gregorio F.	Jose Rizal : life, works, and writings	2003	1
CIR DS 675.8 A33 1995	Acibo, LibertAmorganda.	Jose P. Rizal : his life, works, and role in the Philippine revolution	1995	3
FIL 529 R529j 1994	Zaide, Gregorio F.	Jose rizal: life, works and writings of a genius, writer, scientist and national hero	1994	2
			TOTAL	8

Subject Code:**G.E. 8**

Course Title: **ETHICS**

Course Description: Principles of ethical behavior in modern society at the level of the person, society, and in interaction with the environment and other shared resources.

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR JF 1525.E8 .B69p 2015	Browman, James S.	Public service ethics : individual and institutional responsibilities	2015	1
CIR QH 332 .B16 2014		Bioethics.	2014	1
CIR K 123 M34 2010	Maboloc, Christopher Ryan	Ethics and human dignity	2010	2
CIR HF 5387 .S73u 2009	Stanwick, Peter A	Understanding business ethics	2009	1
CIR HF 5387 .E84 2009		Ethics applied.	2009	1
CIR RT 85 H46 2000	Hendrick, Judith	Law and ethics	2004	2
FIL JQ 1409.5 .E8 1989		Ethics in public office : readings.	1989	3
			TOTAL	9



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Subject Code: **P.E. 4**

Course Title: **ADVANCED TEAM SPORTS**

Course Description: The course will provide the student with fundamental skills of team sports of their choice, e.g. baseball, basketball, sepak takraw, volleyball, soccer, etc. it includes the background, theory, demonstration and practice of game. Emphasis is on appreciation and its carry – over value in later life

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR QC 26 .L57 2016	Lisa, Michael.	The physics of sports	2016	1
CIR RD 97 .E47 2015	Casa, Douglas J., . Stearns, Rebecca L	Emergency management for sport and physical activity	2015	1
FIL GV 885.35 .S87p 2014 c.1	Cecilia B. Surio.	Physical fitness and basketball	2014	3
CIR GV 211 .F73 2012	Freeman, William Hardin, 1943	Physical education, exercise, and sport science i n a changing society	2012	1
FIL GV 303 G48 1985	Getchell, Bud	Physical fitness a way of life	1985	1
FIL 613.7 Oy1a 1984	Oyco, Virginia D	Aerobic dance and stretch handbook : A guide for aerobic dance instructors, recreation leaders, physical education teachers, and physical fitness enth	1984	2
FIL 613.7 M764y 1975	Montes, Bernardino T	Youth development training : physical education health education scouting citizenship training	1975	1
			TOTAL	10

**THIRD YEAR
FIRST SEMESTER**

Subject Code: **HVAC 311**

Course Title: **INSTALL COMMERCIAL AIR-CON PIPING SYSTEM**

Course Description: This subject is designed to provide the students with the knowledge and skills needed in the installation of commercial aircon piping system. It is programmed for maximum of 4 hours a week or a total of 72 hours. Lesson on safety, moral values development are to be taught hand in hand with skills development

Call No.	Author	Title of Book	Copyright date	No. of copies
		Electricity for refrigeration heating air conditioning		2
			Total	2

Subject Code: **HVAC 312 NO BOOK**

Course Title: **INSTALL MECH'L/ELEC'L COMP'T ACCESSORIES AND CONTROLS OF COMMERCIAL AIRCON SYSTEM**



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Course Description: **NO DESCRIPTION**

Call No.	Author	Title of Book	Copyright date	No. of copies

Subject Code: **HVAC 313**

Course Title: **HEATING AND VENTILATING SYSTEM**

Course Description: This subject provides the students with the knowledge and skills needed in the installation heating and ventilating system. It is also covered in the application of skills in the development of air-duct system use in the commercial and industry.

Call No.	Author	Title of Book	Copyright date	No. of copies
		Electricity for refrigeration heating air conditioning		2
			Total	2

Subject Code: **IT 31**

Course Title: **INDUSTRIAL ENVIRONMENT AND SANITATION**

Course Description: It deals with the proper maintenance and control of work environment for the protection of health and welfare worker and the whole industry. It includes the systems, operating methods, appropriate standards and practices in the industrial environment for a more effective interaction between worker and the work environment.

Call No.	Author	Title of Book	Copyright date	No. of copies
DIS 658 F933b 2015	Fronza Jennifer Garcia	The Business environment of selected direct selling companies in Cabanatuan City	2015	1
AV RC 86.7 .A44e 2007	Aehlert, Barbara	Emergency medical responder first responder in action	2007	1
IR HB 172 .M36p8 2018	Mankiw, N.Gregory.	Principles of macroeconomics	2018	1
	Andres, j.	Quality assurance for the food industry		2
	Herschdoerfer	Quality control in food industry		2
CIR HF 5548.8 .M35p 1982	Maier, Norman R. Riggs, James L.F.	Psychology in industrial organizations	1982	1
CIR 658 In2i 1979		Industrial organization and management	1979	1
			TOTAL	7

Subject Code: **IT 32**

Course Title: **INDUSTRIAL ORGANIZATION**

Course Description: The main purpose of the industrial organization course is to present an overview of the operations of an industrial organization, the inter relationship of functions and the fundamental principles of management which lead to effective coordination and control. This also includes the survey of industrial systems while highlighting the individual skill needed to make an enterprise work better. This is designed to provide a broad introduction to topics and industries that current researchers are studying as well as to expose students to a wide variety of techniques.



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Call No.	Author	Title of Book	Copyright date	No. of copies
CIR HB 172 .M36p8 2018	Mankiw, N.Gregory.	Principles of microeconomics	2018	1
CIR HF 5415.5 C65c 2015	Coleman, Lance B.,Sr.	The Customer-driven organization : employing the Kano model	2015	1
CIR JF 1351 .R33g 2015	Raadschelders, Jos C.N.	Global dimensions of public administration and governance : a comparative voyage.	2015	1
CIR HF 5548.8 .M35p 1982	Maier, Norman R. Riggs, James L.F.	Psychology in industrial organizations	1982	1
CIR 658 In2i 1979		Industrial organization and management	1979	1
			TOTAL	5

Subject Code:IT 33

Course Title:**INDUSTRIAL RESEARCH**

Course Description:This subjects deals with the conceptualization od a project proposal based on the line of work / specialization of the student. It includes the study of research methodology as employed in applied research and the process of preparing a project report.

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR HF 5548.8 .S74i 2012	Spector, Paul E.	Industrial and organizational psychology : research and practice	2012	1
CIR HD 30.4 .C66b 2011	Cooper, Donald R	Business research method	2011	1
CIR 658.403 M613i 1984	Miller, David M.	Industrial engineering and operations research	1984	1
			TOTAL	3

**THIRD YEAR
SECOND SEMESTER**

Subject Code: **HVAC 321**

Course Title: **AIR HANDLING SYSTEM**

Course Description: This course provides the students with the knowledge and skills needed in the installation, service and repairs of all air handling units. It is also provide the basic skills for installing units. It is programmed for maximum of 1 hours a week or a total of 126 hours. Lesson on safety, moral values development are to be taught hand in hand with skills development.

Call No.	Author	Title of Book	Copyright date	No. of copies



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Subject Code: **HVAC 322**

Course Title: **COLD STORAGE/ICE PLANT**

Course Description: This course provides the students with the knowledge and skills needed in the installation, service and repairs of all air handling units. It is also provide the basic skills for installing units. It is programmed for maximum of 8 hours a week or a total of 144 hours. Lesson on safety, moral values development are to be taught hand in hand with skills development.

Call No.	Author	Title of Book	Copyright date	No. of copies
		Ice plant refrigeration servicing: advanced (book with DVD) workbook included		2
			TOTAL	2

Subject Code: **IT 34**

Course Title: **ENTREPRENEURSHIP WITH COOPERATIVES**

Course Description:

Call No.	Author	Title of Book	Copyright date	No. of copies
FIL HB 615 .M67e 2016	Morato, Eduardo, Jr	Entrepreneurship	2016	1
CIR HD 62.7 .E77 2015		Essentials of entrepreneurship.	2015	1
CIR HB 615 .K87e 2012	Kuratko, Donald F.	Entrepreneurship : an introduction	2012	1
FIL HB 615 .S36s 2000	Sanchez, Marlon	A Smart and practical guide for new entrepreneurs : be smart! start and manage your own business	2000	1
CIR HF 5386 .H45e 2000	Heinecke, William E.	The Entrepreneur : twenty-one golden rules for the global business manager	2000	1
			TOTAL	5

**FOURTH YEAR
FIRST SEMESTER**

Subject Code: **HVAC 411**

Course Title: **PROJECT STUDY**

Course Description: This subject is focused on developing and writing project feasibility study. Guidelines in conceptualizing and writing project feasibility study will be discussed. Students may opt to write studies on developing Business and technical developmental research projects.

Call No.	Author	Title of Book	Copyright date	No. of copies
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CIR LC 71 .H36e 2017	Hammond, Linda Darling.	Empowered educators : how high- performing systems shape teaching quality around the world	2017	1
CIR TJ 223 .H84a1 2016	J.M. Hughes.	Arduino : a technical reference : a handbook for technicians, engineers, and makers	2016	1
CIR TH 438 .C66m 2013	Cooke, Brian	Management of construction projects	2013	1
FIL 658.57 C99b 2001	Cuyugan, Jorge H	A business planning manual : a project feasibility study guidebook for filipino students... and entrepreneurs	2001	1
FIL TE 175 .S26p 1996	Sanares, Romeo A.	Project study / road construction.	1996	1
			TOTAL	5

Subject Code: **HVAC 412**

Course Title: **ACOUSTICS AND ELECTRICAL UTILITIES**

Course Description: This subject deals with the industrial applications of the different technical information and technical skills being acquired during the previous years of studying of the student. They should performed different skills while employed in a certain industry as far as heating, ventilating and air-conditioning is concerned. This course is design to give the students deeper knowledge on the production and technological advances in the field of industrial jobs or application

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR TK 159 .H36e 2016	Hampson, Jeffery.	Electrical trade principles : a practical approach	2016	1
CIR TK 146 .K83e 2015	Kuc, Roman	Electrical engineering in context / : smart devices, robots & communications	2015	1
IR TK 3283 .M85e18 2015	Mullin, Ray C.	Electrical wiring residential : based on the 2014 national electrical code	2015	1
CIR TK 7871.2 .W48 2012	Whitaker, Jerry C	The Tab guide to vacuum tube audio / : understanding and building tube amps	2012	1
			TOTAL	4
CIR HF 5549 .N64f3 2009	Noe, Raymond A.	Fundamentals of human resource management	2010	1
CIR HF 5549 .D43f 2007	Decenzo, David A.	Fundamentals of human resource management	2007	1
CIR HF 5549.5 .H86 2007	Melva M. Diamante, Genevieve Ledesma- Tan,	Human resource management local and global perspectives	2007	2
CIR HF 5549.2 .H65h3 2000	Noe, Raymond A	Human resource management : gaining a competitive advantage	2010	1
			TOTAL	9

Subject Code: **IT 43**

Course Title: **INDUSTRIAL PLANNING AND MATERIALS HANDLING**

Course Description: It deals with different techniques and fundamentals of industrial operations. It includes the fundamentals on relationship, space and adjustment for planning and the fundamentals on materials,



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movement and methods for planning handling. It also includes the different phases of planning with the interrelationship to the different method, system and principles of materials handling.

Call No.	Author	Title of Book	Copyright date	No. of copies
FIL HD 30.28 .P63s 2006	Poblador, Niceto S.	Strategy demythicized : why today's business models fail to deliver	2012	1
			TOTAL	1

Subject Code:ELP

Course Title:ENGLISH FOR INDUSTRIAL TECHNOLOGIES

Course Description:

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR PE 1128.A2 .P38e 2016	Paul, D.S.	English language and linguistics : a simplified approach	2016	1
FIL PE 1130.3 .L39d c.1	Lazo, Jennifer T.	Developing english communication skills for college learners : (a work text for college english)	2015	1
THE PE 1128 .E87i 2019	Esquivel, Ronel B.	Intrinsic and extrinsic motivation in learning english as a second language	2019	1
			TOTAL	3

**FOURTH YEAR
SECOND SEMESTER**

Subject Code: HVAC 421

Course Title: INDUSTRY IMMERSION/IN-PLANT TRAINING

Course Description: This course is designed to provide the trainees the opportunity to acquire employable skill competencies in training field exposure from partner industry for his/ her to learn some of the professional skill related to the expertise and different field of specialization to transfer technology and practical training on the job.

Call No.	Author	Title of Book	Copyright date	No. of copies
FIL Q 163 .i67 2019		Inquiries, investigations and immersions	2019	1
FIL HN 720 L56 2004	Liniao, Rex T.	Community Immersion : Toward becoming agents of community empowerment	2004	1
			TOTAL	2



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Subject Code: **HVAC 422**

Course Title: **FORUM ON INDUSTRY IMMERSION**

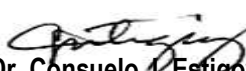
Course Description: This course is intended to provide technical skills and knowledge in the forum on industry immersion of the industrial work force and technology transfer in the effective skills training curriculum programs of the bachelor of Industrial Technology

Call No.	Author	Title of Book	Copyright date	No. of copies
CIR TP 150.S24 .S64s2 2013	Speegle, Michael.	Safety, health, and environmental concepts for the process industry	2013	1
CIR RA 410 .S26 2010	Santerre, Rexford E.	Health economics theories, insights, and industry studies	2010	1
			TOTAL	2

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