

LECTURE PLAN																	
1	Course Name	OCCUPATIONAL SAFETY & HEALTH															
	Course Code	BNJ 21102															
2	Synopsis	This course introduces students to knowledge and skills in occupational safety and health in workplace. Scope of study includes Health, Safety and Environment Managements, Risk Management and Assessment, Physical Injury & Controls, Health Hazards, Accident Investigation & Reporting.															
3	Name(s) of Academic Staff	Profesor Madya Dr. Abdul Mutalib Leman(Seksyen 3-BNG) Ts. Dr Nik Normunira Binti Mat Hassan (Seksyen 1,2-BNM)/(Course Coordinator) Dr. Nor Afzanizam Samiran (Seksyen 4-BNL)															
4	Semester and Session Offered	Semester	1	Session 20212022													
5	Credit Value	2	Lecture (hour/week)	1													
			Tutorial (hour/week)	0													
			Laboratory (hour/week)	2													
			Others (hour/week)	0													
6	Preirequisite (if any)	-															
7	Course Learning Outcome(s) : At the end of this course the student will be able to:																
CLO 1	Apply safety and health program to meet the work place requirements. (LOD 1, PLO1, C3, SK2, SK3, SK4, SP1, SP2, SP3)																
CLO 2	Perform safety procedures with the application of personal protective equipments according to the working environment. (LOD 5, PLO 5, P4, SK3, SK6, SP1, SP3, SP4)																
CLO 3	Adopt current technique on reporting of accident/incident according to OSHA 1994, FMA 1967 or DOSH requirements. (LOD 15, PLO 8, A3, SK7)																
CLO 4	Integrate concept of safety and health program with profesionalime and society issues. (LOD 16, PLO 6, A3, SK3, SK6, SK7, SP1, SP5, SP6)																
8	Mapping of the course/module to the Programme Learning Outcome																
	CLOs	Programme Learning Outcomes (PLO)												Teaching Methods	Assessment	KPI	
		PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12				
	CLO 1	√													Lecture, e-learning	Test, Final Exam	50% of students obtained 50% marks and above
	CLO 2					√									Demonstration, e-learning	Assignment & Audit report	
	CLO 3								√						Lecture, e-learning, discussion, Site Audit	Assignment, Audit report, Project report, presentation	
	CLO 4						√								Lecture, e-learning, discussion, Site Audit	Assignment, Audit report, Project report, presentation	
	*Indicate the primary causal link between the CLO and PLO by ticking (√) in the appropriate box.																
9	Transferable Skills (if applicable) (Skills learned in the course of study which can be useful and utilised in other settings)	1	Ethics and Professionalism														
		2	Interpersonal Skills														
		3															
		4															

10 Content outline of the course/module and the student learning time (SLT) per topic

Week	Course Content	CLO	Teaching and Learning Activities						Total SLT
			Guided Learning (F2F)				Guided Learning (NF2F)	Independent Learning (NF2F)	
			Lecture	Tutorial	Practical	Others			
1-2	1. HEALTH, SAFETY AND ENVIRONMENT MANAGEMENT 1.1 Introduction to OSH, 1.2 OSHA 1994 (Act 514) 1.3 FMA 1967 1.4 EQA 1974 1.5 Occupational Safety and Health Management System 1.6 Safety, Health and Environment Culture	CLO1 CLO2 CLO4	2	0	4	0	1	2	9
3-6	2. RISK MANAGEMENT AND ASSESSMENT 2.1 Introduction to Risk Management 2.2 Risk Assessment Techniques 2.3 HIRARC	CLO1 CLO2 CLO3 CLO4	4	0	8	0	1	4	17
7-8	3. PHYSICAL INJURY AND CONTROLS 3.1 Introduction to Physical Injury 3.2 Construction Work 3.3 Electrical Work 3.4 Mechanical Work 3.5 Chemical Work	CLO1 CLO2 CLO3 CLO4	2	0	4	0	1	2	9
8-9	4. HEALTH HAZARDS 4.1 Introduction to Health Hazards & Hygiene 4.2 Chemical Hazards 4.3 Physical Hazards 4.4 Biological Hazards Hygiene	CLO1 CLO2 CLO3 CLO4	2	0	4	0	1	2	9
10-14	5. ACCIDENT INVESTIGATION AND REPORTING 5.1 Introduction 5.2 Accident Investigation 5.3 Investigations and Causes of Incident 5.4 Incident Analysis and Data Collection Method	CLO1 CLO2 CLO3 CLO4	4	0	8	0	1	4	17
TOTAL			14	0	28	0	5	14	61

	Continuous Assessment	CLO	Percentage (%)	F2F	NF2F	Total SLT
1	Test 1 (Week 6: 18th November 2021)	CLO1	10	2	2	4
2	Laboratory Report (Due after 1 week end of the Topics)	CLO2	20	0	5	5
3	Individual Project (Report and Evaluation) (Due on Week 10: 16th December 2021)	CLO2	10	0	1	1
3	Group Project (Report and Evaluation) (Due on Week 14: 13th January 2022)	CLO2	5	0	2	2
4	Individual Project (Presentation) (Due on Week 10: 16th December 2021)	CLO3	5	0.5	2	2.5
5	Group Project (Poster & Presentation) (Due on Week 14: 13th January 2022)	CLO4	10	0.5	2	2.5
TOTAL			60	3.0	14.0	17

Final Assessment		CLO	Percentage (%)	F2F	NF2F	Total SLT
1	Final Examination	CLO1	40	2	0	2
TOTAL			40	2		2
GRAND TOTAL SLT						80
*F2F = face to face, NF2F=Non Face to Face						
11	Identify special requirement of resources to deliver the course (e.g., software, nursery, computer lab, simulation room)	None				
12	Main references supporting the course and Additional references supporting the course	<ol style="list-style-type: none"> 1 Occupational Safety and Health Act 1994 (Act 514) and regulations and orders. M International Law Book Services, 2019. Call number: KPG1390 .M34 2019 rw 2 Factories and Machinery Act & Regulations. MDC Publishers Printer Sdn. Bhd. 2001. Call number: KPG1390.A31967 .A4 2001 rw N1. 3 Ismail Bahari (2006). Pengurusan Keselamatan dan Kesihatan Pekerjaan. Edisi ke-2. McGraw Hill Education (Malaysia). Call number: T55.I85 2006. 4 Davies, V. J. and Tomasin K. (2006). Construction Safety Handbook. 2nd ed. London: Thomas Telford. Call number: TH443.R43 2006. 5 Anton, Thomas J. (2009). Occupational Safety and Health Management. 3rd ed. New York: McGraw-Hill. Call number: T55.A57 1989 				
13	Other additional information	None				
14	Course Attendance / Regulations	<ol style="list-style-type: none"> 1 Students must attend not less than 80% of the contact hours for every course including Compulsory Attendance Course (Hadir Wajib – HW) and Attendance Only Course (Hadir Sahaja – HS). 2 Student who does not fulfill (1) of the above is not allowed to attend further lectures and is not allowed to sit for any further assessment. Zero mark (0) will be given to student who fails to comply with (1). As for Compulsory Attendance Course (Hadir Wajib – HW), student who fails to comply with (1) will be given Failure Attendance (Hadir Gagal – HG). 3 Student must follow and obey all the University dress rules and regulations and must discipline themselves to avoid any disciplinary action. 4 Student must obey safety regulations during the learning and teaching process. 				
15	Prepared by:	Verified by:				
	<i>Nik Normunira</i>					
	Name : Ts. Dr. Nik Normunira Binti Mat Hassan	Name : Ts. Dr Rosniza Binti Hussin @ Isa				
	Position: Lecturer	Position : Head of Department				
	Date : 23rd September 2021	Date : September 2021				