

Subject Planning for Semester 17181/IJA (SEMESTER 1 SESSION 2017/2018)

Subject BEHAVIOR BASED SAFETY
Subject Code BPS2323
Credit Hours 3
Faculty FAKULTI TEKNOLOGI KEJURUTERAAN
Passing Mark 40

Prerequisite
Equivalency BPS2123

Synopsis Work always involves humans. Human are complex and their behaviour is the results of interaction between and within internal and external factors. This course will introduce usage of behaviour-based safety as a scientific tool for behaviour change. The course will review the relationship between behaviour, attitudes, culture, and systems and explain how behaviour-based fits into the hierarchy of control. Underlying concepts related to performance management and a powerful tool (ABC analysis) is learned and applied to understanding behaviour and to developing a change plan. Overall, the course provides a clear understanding of how attitudes, cultures, and systems influence or affect behaviour, and focuses on understanding how successful behavioural change efforts really work. Effective leadership and involvement are seen as the cornerstone to success in promoting a positive safety culture. This course also will introduce current thinking on safety leadership and supervision models and

Objective

- 1 Use the right technique in determining the best intervention strategy in promoting safety culture in a workplace.
- 2 Analyse the right concepts of behaviour based safety approach in developing a Total Safety Culture in the workplace.
- 3 Demonstrate their ability to work in group either as a member or leader in completion of project related to behaviour based safety

Contact Hour

Lecture	3
Tutorial	
Lab	

References

- 1 E. Scott Geller Working Safe: How to Help People Actively Care for Health and Safety Lewis Publishers
- 2 Judy Agnew & Gail Synder Removing Obstacles to Safety: A Behavior based Approachhab Performanc
- 3 Terry E. Mc. Sween The Value based Safety Process Improving Your Safety Culture with Behaviour Bas

Assessment Plan

QUIZ	5 %
ASSIGNMENT	15 %
TEST	20 %
REPORT	20 %
FINAL EXAM	40 %

Subject Planning

Week	Chapter	Topic	Assessment
1	1	Introduction to Behavior-Based Safety 1 Background of Behavior-Based Safety (BBS)	

Teaching Plan

Week	Chapter	Topic	Assessment
		<ul style="list-style-type: none"> 2 What is Behavior-Based Safety 3 Behavior-Based Safety: What is NOT 4 Key principles in Behavior-Based Safety 	
2	2	Choosing The Right Approach <ul style="list-style-type: none"> 1 Selecting the best approach 2 The critical human element 3 The folly choosing what sound good 4 Relying on research 5 Start with behavior 	
3	3	Starting with theory <ul style="list-style-type: none"> 1 Value based behavioral safety process 2 Clear mission and vision statement 3 Behavior-based vs. person-based approaches 	QUIZ 5%
4	4	The paradigm shift for total safety culture <ul style="list-style-type: none"> 1 The old ES 2 Three new ES 3 Shifting Paradigm 4 Enduring Values 	ASSIGNMENT 15%
5	5	The complexity of people	
6	6	Sensation, perception and perceived risk <ul style="list-style-type: none"> 1 Selective sensation or perception 2 Biased by context 3 Biased by our past 4 Perceived risk 	TEST 20%
7	7	Stress vs. Distress <ul style="list-style-type: none"> 1 What is stress 2 Identifying stress 3 Attributional bias 	
8	8	Behaviorism and psychology <ul style="list-style-type: none"> 1 The primacy of behavior 2 Learning from experience 3 Learning theory 	
9	9	Identifying critical behaviour <ul style="list-style-type: none"> 1 Basic principles 2 The ABC Model 3 The DO IT process 	REPORT 20%
10	10	Behavioral safety analysis <ul style="list-style-type: none"> 1 Reducing behavioral discrepancy 	

Teaching Plan

Week	Chapter	Topic	Assessment
		<ul style="list-style-type: none"> 2 Behavior-based safety training 3 Applied behavior analysis in organizational setting 4 ABC analysis tool 	
11	11	Behaviour based intervention <ul style="list-style-type: none"> 1 Intervening with activators 	
12	11	Behaviour based intervention <ul style="list-style-type: none"> 1 Intervening with consequences 	
13	12	Actively caring for safety <ul style="list-style-type: none"> 1 Understanding actively caring 2 The person-based approach to actively caring 3 Increasing actively caring behaviors 	
14	13	Promoting safety <ul style="list-style-type: none"> 1 	
16		Exam week	FINAL EXAM 40%