UNIVERSIDAD RICARDO PALMA Facultad de Ciencias Económicas y Empresariales



Escuela Académico Profesional de Administración de Negocios Globales

SYLLABUS

I. GENERAL DATA

1.1. Course : CONTINOUS IMPROVEMENT WORKSHOP

1.2. Code : NG 02605

1.3. Academic Cycle : VI 1.4. Credits : 2

1.5. Nature of the course: Obligatory1.6. Weekly hours: 4 Theory

1.7. Requirement : Workshop on Creativity and Innovation

1.8. Curriculum : 2006-II

II. SUMMARY:

To educate you (the student) on the continuous improvement methodology and provide you with the necessary skills and knowledge to utilize the appropriate Managerial Quality Tools in a continuous improvement process.

GRADING: This course consists of 12 grades including a final project and presentation. The lowest grade will be dropped (not including final project and presentation). At the end of each step in the continuous improvement methodology a real life case will be addressed as a team to resemble a real life situation.

CLASS STRUCTURE: Each week will see a different step of the continuous improvement methodology, team building and managerial tools.

ATTENDANCE: Attendance is encouraged and recommended. If you miss 30% of the total class you won't be allowed to pass the course.

III. PROFESSIONAL COMPETENCES:

This course teaches the Global Business Administration student the necessary tools to become an engaging contender in this ever more competitive world market. It provides the student with the necessary knowledge to detect opportunities and resolve problems with efficiency allowing him to stay in front of change and providing a competitive advantage.

IV. SUBJETC COMPETENCES:

- 1. Student learns how to use primary improvement tools
- 2. Student learns to detect main problems
- 3. Student learns to analyze negative situations inside company
- 4. Student learns how to develop actions plans to resolve problems
- 5. Student learns how to develop a supervision plan and supervision guide
- 6. Student learns how to determine success/failure of an improvement project.

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V. LEARNING WEB:



VI. LEARNING UNITS:

UNIT 1. TOTOL QUALITY MANAGEMENT:

TOPICS	ACTIVITIES	WEEK
 Total Quality Total Quality Management TQM - Requirements Values in the Culture of the Quality Phases to Implement the TQM TQM Benefits New approaches for the Quality Administration Team Work and Circles of Quality Circle of Quality Leadership Characteristics of a Leader Empowerment Basic Concepts Think in Processes Continuous Improvements 	- Presentation - Introduction - Definitions and concept to discuss in class	1 - 2

UNIT 2. INTRODUCTION TOOLS CONTINUOUS IMPROVEMENT

TOPICS	ACTIVITIES	WEEK
- Requirement for Continuous	Graded Exercise 1	2 - 3
Improvement		
 Kaizen Philosophy 		
 Systematic Thinking 		
 Quality Tools – 7 Classic Old Tools 		
- Ishikawa Diagram		
- Pareto Chart		
- Check Sheet		
- Control Chart		
- Flow Chart		
- Histogram		
- Scatter Diagram		
 Quality Tools – 7 New tools 		
- Affinity Diagram		



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- Tree Diagram
- Relations Diagram/ Relation Matrix
- PERT
- Failure Mode and Effects Analysis (FMEA)
- Decision Tree
- Correlation Analysis

UNIT 3. 7 STEPS OF CONTINUOUS IMPROVENT

TOPIC	ACTIVITIES	WEEK
Step 1	Case 1	4 - 9
Select the problem		
1.1. Mision of the Process or Area		
- Process Diagram		
- Flow Chart		
 Network Diagram 		
- Process Map		
- Block Chart		
1.2 Verify the objective and policies of the area		
or process		
 Characteristics of a Good objective 		
 Marketing objectives and indicators 		
- Balance score card		
1.3 Compare the results with the goals		
- Control of Processes		
Benchmarking		
1.4 Identify the Problems		
1.5 Evaluate the problems and select the main		
problem		
Examples		
Step 2		
Understand the Situation and Establish Goals		
2.1 Decide the characteristics to be studied	Case 2	
- Variables and Indicators	Team Building Exercise 1	
2.2 Understand the situation		
2.3 Decide the goals and limits of time to		
accomplish it		
Brainstorming		
g. 2		
Step 3		
Planning the Activities	Case 3	
3.1 Decide the Action items	Case 3	
- Cronogram and Action Plan		
3.2 Decide the activities' cronogram		
- GANTT		
3.3 Design the activities' action plan		



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Step 4		
Analyze the Causes		
Data recollection		
4M's for analyzing causes	Case 4	
4.1 Cause – Effect Analysis	Team Building Exercise 2	
- Cause – Effect Diagram	Team Building Exercise 2	
4.2 Analyze the relation between the problem and		
the causes using the quality tools		
- Why – Why Diagram		
- Relation Diagram		
4.3 Analysis results		
4.4 Decide the root cause that has to be attacked		
- Pareto Chart		
- Tarcto Chart		
Step 5		
Evaluate, Select and Implement Solution		
5.1 Break Even Analysis		
5.2 PERT/CPM Method		
5.3 Selecting and Implementing solution		
- How to successfully implement a		
solution	Case 5	
o Why	Cuse 3	
J.J Lvaluation Form – Check List		
Sten 6 & 7		
	Case 6	
O What O What O How - Supervision Visit Plan - Supervision Guide 5.4 Quantitative and Qualitative Evaluation 5.5 Evaluation Form – Check List Step 6 & 7 Verifying Results Business Normalization Traditional vs. Business Normalization Data Modeling Design and Implement the Norms Establishing a Norm Deciding Methods of Control Educate and Qualify the Responsible	Case 6	

UNIT 4. ADDITIONAL STEPS

TOPICS	ACTIVITIES	WEEK
 Identifying and overcoming resistance to change Resources of Resistance to change 	Exercises	10
 Types of Resistance Behavioral Styles Under Stress Fears about change 		



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- V	What can you do to assist change
- C	Consistency
- R	Lecognize effort and achievement
- P	rinciples
- C	Change vs. transition
- T	Three phases of transition
- N	Jeutral zone
- (Setting through the neutral zone

UNIT 5. EMPLOYEE EMPOWERMENT, LEADERSHIP AND CHANG, TEAMBUILDING AND TEMA WORK

TOPICS		ACTIV	TTIES		WEEK
- Employee Empowerment	Team	Building	Exercise:	Egg	11
o Defined	Drop				
o Rationale					
 Inhibitors of empowerment 					
 Management role 					
 Leadership & Change 					
o Defined					
 Leadership quality 					
 Building and maintaining a 					
following					
 Leadership vs. Management 					
 Ethics and change 					
 Team Building and Team Work 					
o Overview					
 Making the team 					
 Four Step approach to team 					
building					
 Character Traits and team 					
work					
 Coaching 					
 Handling conflict 					
 Inhibitors 					
 Reward system 					

UNIT. 6. SIX SIGMA, LEAN SIX SIGMA AND CULTURE

TOPICS	ACTIVITIES	WEEK
- Six Sigma	Exercises	12
- Lean Six Sigma		
- DMAIC		
- DMADV		
- Culture		
o Example		
- Do's and Don'ts		

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- Establishing a Culture		Establishing a Cultura	
	-	Establishing a Culture	

UNIT 7. PROCESS CAPABILITY AND STATISCITAL QUALITY CONTROL

TOPICS	ACTIVITIES	WEEK
 Basic Forms of Variation 	Exercises	13 –
 Taguchi's View of Variation 		semester
 Process Capability 		end
 Process Capability Index 		
 Cereal box example 		
 Types of statistical sampling 		
 Control Limits 		
o p- charts		
o X-bar		
○ R – charts		
 Acceptance Sampling 		
- Risk		
o Example Problems 1, 2, 3		

VII. METHODOGY:

Each week we will address a new topic regarding continuous improvement. At the end of each week a class exercise or case will be given, allowing a hand on approach to what could be real life situation inside a company. This allows for the student to be faced with realistic problem solving situation.

Regarding that team work is essential in the success of continuous improvement projects three team building exercises will be address along the semester, the first two will not be graded but are instructive for the third exercise which will be graded.

Finally the course ends with a final project and final presentation resembling a real life situation once again, where the improvement team addresses the company's upper management to inform of the success or failure of the project.

VIII. EVALUATION

Grading Procedure:	Weight
Graded Class Exercise	1
Cases	1
Final Project	2
Final Presentation	2

(PRA1+ PRA2+ PRA3+ PRA4+PRA5+PRA6+PRA7+PRA8+FIN1+FIN2+FIN3+FIN4)/11=FINAL GRADE

Note: Lowest grade is dropped, not including Final Project or Presentation.

IX. BIBLIOGRAPHY:

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