



# PROJECT PLANNING AND MANAGEMENT

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# PROJECT MANAGEMENT

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**EAEQ 4206: LESSON TWO**



# What is Project?

## A Guide to the Project Management Body of Knowledge (PMBOK GUIDE) 4<sup>th</sup> Edition:

A project is a temporary endeavor undertaken to create a unique product, service, or result.

- It is temporary to mean it must have a beginning and an end.
- The project duration may be short as one day or long as 20 years
- The end is reached when:
  1. objectives are met;
  2. the project is terminated;
  3. the need for the project no longer exists.
- A project can involve a single person, single organisation or multiple organizational units

# What is Project Management?



## A Guide to the Project Management Body of Knowledge (PMBOK GUIDE) 4<sup>th</sup> Edition:

- Project Management is the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements.
- Project management processes can be grouped as follows:
  - Initiating
  - Planning
  - Executing
  - Monitoring and controlling, and
  - Closing



# What is Project Management?

## A Guide to the Project Management Body of Knowledge (PMBOK GUIDE) 4<sup>th</sup> Edition:

- Managing a Project typically includes:
  - Identifying the requirements
  - Addressing the needs, concerns, and expectations of the stakeholders
  - Balancing the competing project constraints including:
    1. Scope
    2. Quality
    3. Schedule
    4. Budget
    5. Resources
    6. Risk



# The Role of Project Manager

**A Guide to the Project Management Body of Knowledge (PMBOK GUIDE) 4<sup>th</sup> Edition:**

A project is a temporary endeavor undertaken to create a unique product, service, or result.

- Knowledge
- Performance
- Personal



# The Role of Project Manager

**A Guide to the Project Management Body of Knowledge (PMBOK GUIDE) 4<sup>th</sup> Edition:**

The project manager is the person assigned by the performing organization to achieve the project objectives

The project manager must possess the following characteristics:

- Knowledge – *about project management*
- Performance – *what to do in applying that knowledge*
- Personal – *the behavior when applying the knowledge*



# The Role of Project Manager

Guide to the Project Management Body of Knowledge (PMBOK GUIDE) 4<sup>th</sup> Edition:

## Project Management knowledge areas include:

- Project integration management
- Project scope management
- Project time management
- Project cost management
- Project quality management
- Project human resource management
- Project communication management
- Project risk management
- Project procurement management





# The Role of Project Manager

A Guide to the Project Management Body of Knowledge (PMBOK GUIDE) 4<sup>th</sup> Edition:

## Interpersonal skills

- Leadership
- Team building
- Motivation
- Communication
- Influencing
- Decision making
- Political and cultural awareness
- Negotiation
- Project integration management



# Importance of Project Management



- Project is delivered within budget
- The quality of the project is ensured
- The project is delivered within time

# Principles of Project management



- R Max Wideman
- **1-The commitment principle**
  - *A fair and mutual commitment must exist between the sponsor and the project team before the project can succeed*
- **2-The success principle**
  - *The measure for project success must be confirmed and agreed upon before the project can start, and before activities can be assigned.*
- **3. The tetrad trade-off principle**
  - *The tetrad trade-off principle states that project scope, quality, time and cost must all be attainable and must exist in equilibrium.*

# Principles of Project management



- **4. The strategy principle**
  - *A strategy which includes planning and implementation and a definite series of sequential activities must be in place before the project can begin.*
- **5. The control (or management) principle**
  - *Policies and procedures must be devised to control behaviours and ensure commitment.*
- **6. The single-point responsibility principle**
  - *One person needs to be in charge. This individual will be the point of contact between the sponsor and the team.*
- **7. The cultural environment principle**
  - *There must be a supportive culture and environment in order for the project to succeed. Management should work to foster this.*



## Further Reading

1	Project Management Institute, 2008	A Guide to the Project Management Body of Knowledge (PMBOK GUIDE) 4th Edition
2	James P. Lewis 2007	Fundamentals of Project Management, Third Edition, AMACOM, New York
3	Eric Verzuh 2003	The Portable MBA in Project Management, John Wiley & Sons, inc.
4	John M. Nicholas, 2004	Project Planning for Business and Engineering, Principles and Practice, Second Edition, Elsevier Butterworth–Heinemann
5	F. Lawrence Bennet 2003	The Management of Construction, A Project Life Cycle Approach,