

Agile Project Management

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PMG 622
Master of Project Management

Orientation Lecture





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Lecture

What we will cover

1. Introduction
2. Learn about Course Objectives and Schedule
3. Brief Introduction to Agile Project Management

Eng. Ahmed Hussein, MBA, PfMP©, PMP© and APMG-Change Management Practitioner

- Lecturer and management consultant with >30 years of executive management experience
- Lecturing experience over 15 years on:
 - Portfolio/ Program / Project Management,
 - Strategic Management and Organizational Change Management and Business Transformation,
- Led programs and projects worth over 1 B USD
- Established and led several PMOs, and developed hybrid PM methodologies to deployed at various organizations and government entities
- Contributed to development and review of several standards and certifications with Project Management Institute (PMI)
- Held voluntary leadership roles in Project Management Institute (PMI) as a founding board member and Vice President of PMI Egypt Chapter
- Broad international exposure spanning across diverse cultural groups within MENA, Europe & USA and different industries
- Member of Project Management Institute and The Association of Change Management Professionals (ACMP)



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Course Objectives and Learning Outcomes

1

- Provide students with a comprehensive overview of the history, principles, processes, practices of agile approaches to project management, and Knowledge of agile development frameworks and agile tools and techniques.

2

- Students understand similarities and differences between Traditional and Agile Project Management Lifecycles (PMLC) and strengths and weaknesses of each.

3

- Learn techniques for managing projects using agile practices and work with a framework such as Scrum, to manage agile projects,

4

- Gain knowledge of Hybrid life cycles, and how to design and customize agile and traditional life cycles,

5

- Define Key performance metrics and resources to monitor and control agile project management.

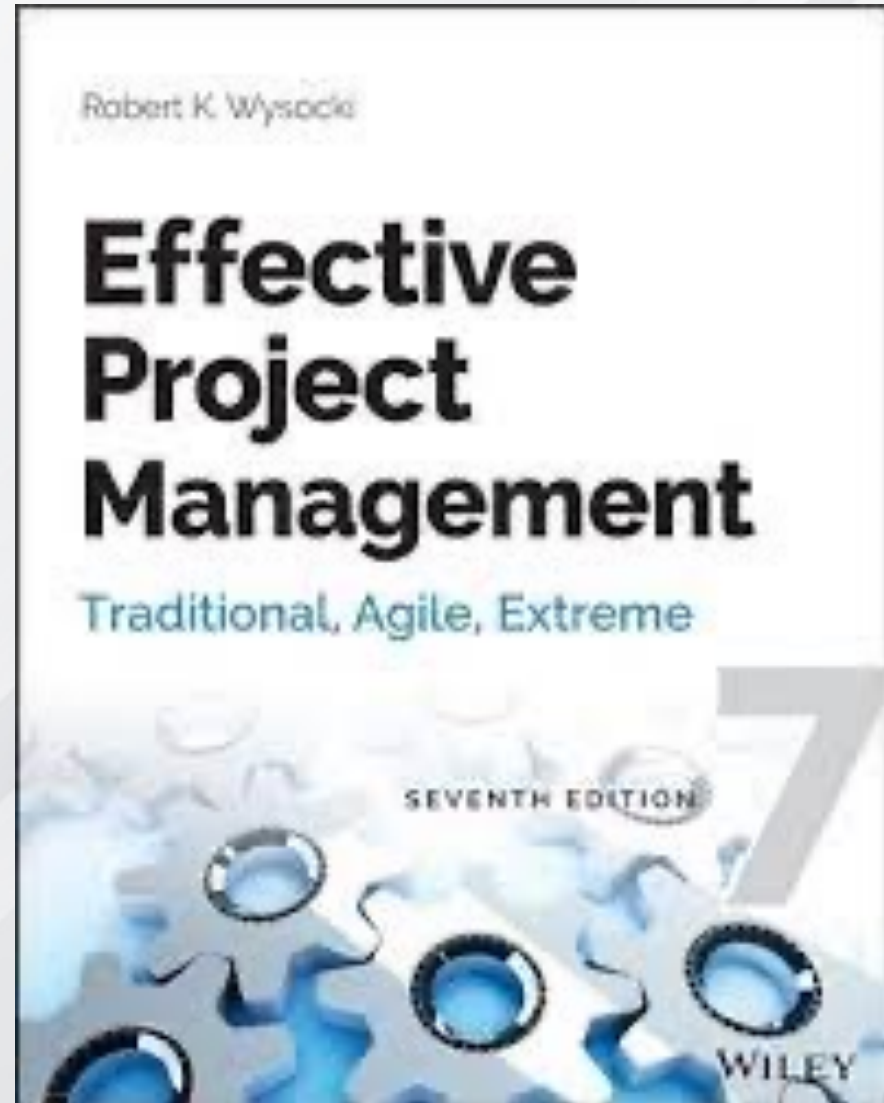
Course Schedule and Topics

Week	Lecture	Lecture Topic	Discussion Panel	Quiz
Week 1	Orientation Lecture	Orientation Lecture	✓	✓
Week 2	Lecture 1	History, principles, and values of agile approaches and the Agile Manifesto	✓	✓
Week 3	Lecture 2	Understanding agile approaches: general practices and terminology	✓	✓
Week 4	Lecture 3	How agile is similar and how it is different from traditional PM life cycles	✓	✓
Week 5	Lecture 4	Strengths and weaknesses of the agile approach	✓	✓
Week 6	Lecture 5	Different Agile frameworks and methodologies	✓	✓
Week 7	Lecture 6	Working with a framework such as Scrum	✓	✓
Week 8	Lecture 7	Hybrid life cycles: designing and customizing agile and traditional life cycles	✓	✓
Week 9	Lecture 8	Key metrics and resources to monitor and control agile projects	✓	✓
Week 10	Lecture 9	Role of the Project Manager in agile Projects	✓	✓
Week 11	Lecture 10	Key challenges faced in agile projects' environment	✓	✓
Week 12	-	-	✓	
Week 13	-	Beginning of Final Exams	-	

- Required Textbook:

“Effective Project Management:
Traditional, Agile, Extreme, Hybrid”,
by Robert K. Wysocki

The main material and reference for the course will be the textbook, lecture notes and slides. are additional resources that are prepared by the professor.



Definition of Agile

Definition of agile adjective from the Oxford Advanced American Dictionary

agile *adjective*

/ˈædʒl/ , /ˈædʒaɪl/ 

1 able to move quickly and easily

→ SYNONYM **NIMBLE**

- *a strong and agile athlete*

2 able to think quickly and in an intelligent way

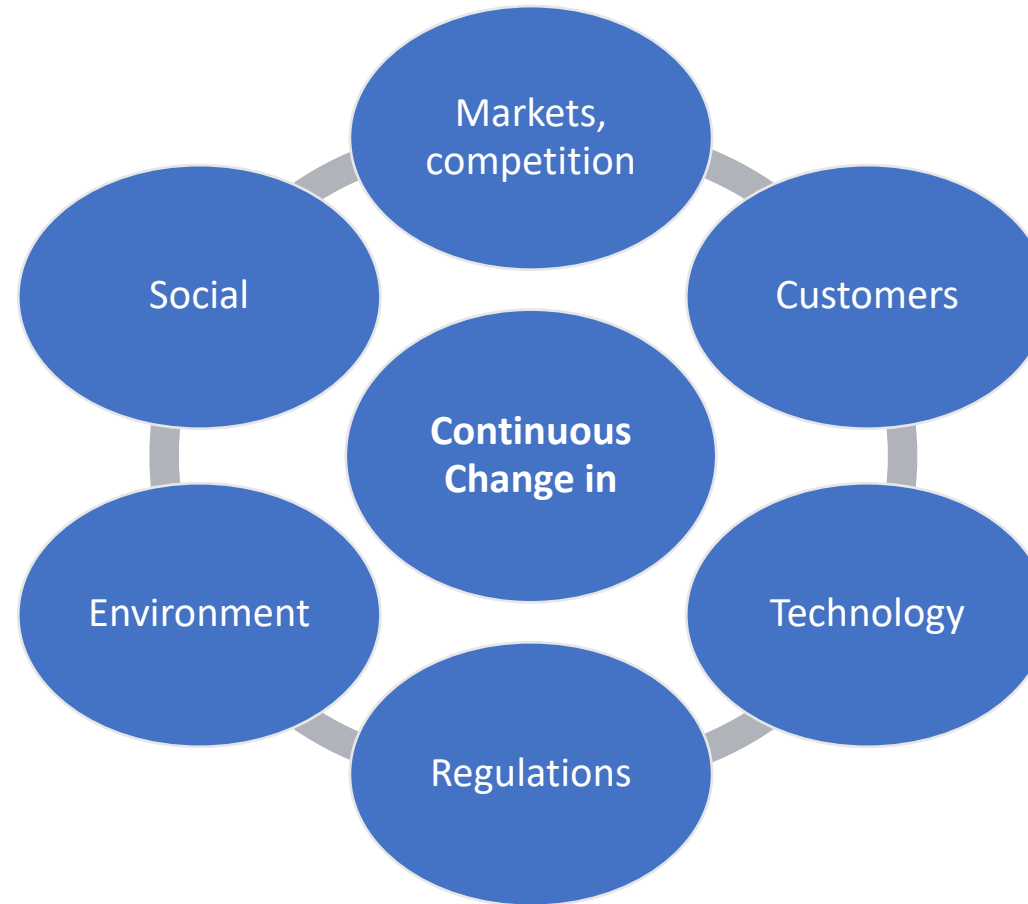
- *an **agile** mind/brain*



(Agile Adjective - Definition, Pictures, Pronunciation and Usage Notes | Oxford Advanced American Dictionary at OxfordLearnersDictionaries.com, n.d.)

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Today's business environment is continuously changing



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We live in a VUCA World



This requires organizations to continuously adapt and change to stay competitive

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Business Agility



The ability of an organization to **rapidly adapt** to market and/or other environmental changes.



Focuses on value realization through thoughtful strategic alignment, prioritization, and sequencing of projects.



Sometimes referred to as **enterprise agility**.

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Agile Project Management



**iterative and
incremental approach**



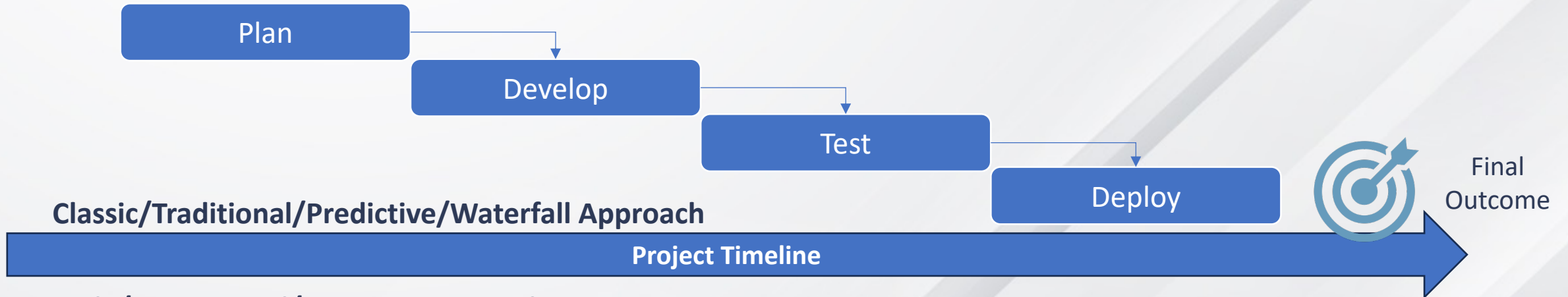
**Mindset Based on
values and principles**



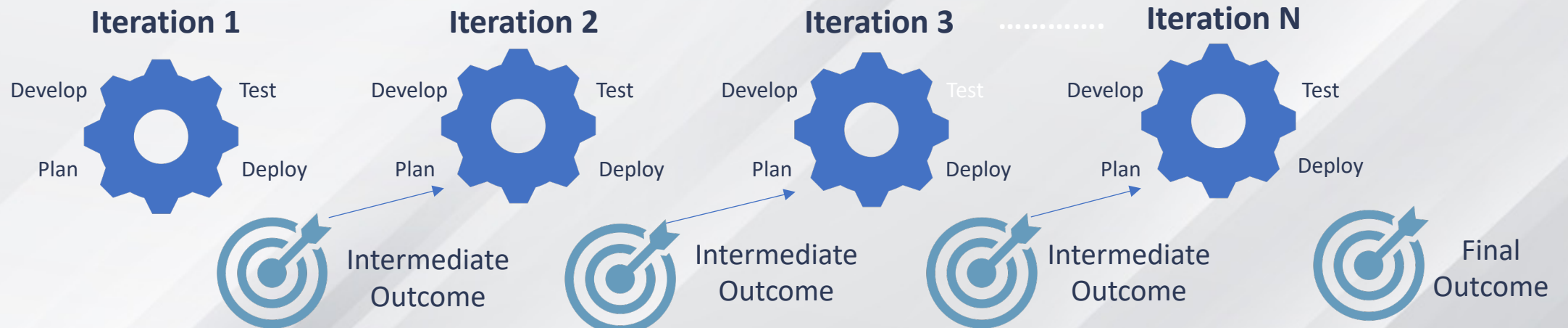
**Emphasizes
collaboration, change,
and flexibility**

- Agile project management is an iterative and incremental approach to project management that emphasizes collaboration, flexibility, change, and continuous improvement.
- Agile project management is a Mindset based on Values and Principles.
- Started and gained popularity in software development projects but can be used to manage any type of project.

Agile vs. Traditional Approaches



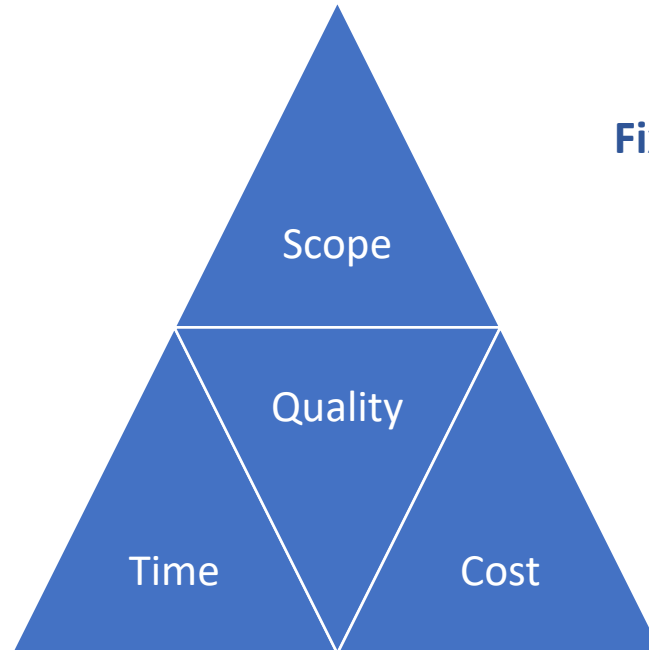
Agile/Incremental/Iterative Approach



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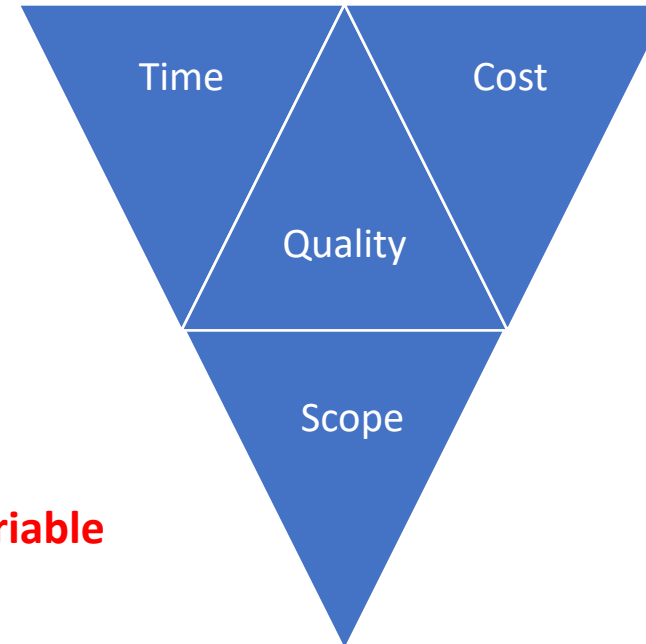
Agile vs. Traditional Approaches

Traditional Approach



Fixed

Agile Approach



Variable

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Benefits of Agile

Enhances ability to manage changing priorities

Improves project visibility

Improves business/IT alignment

Increases speed of delivery/time to market

Improves team morale

Increases team productivity

Reduces project risk

Enhances delivery predictability

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Key Points

Organizations need to continuously adapt and change in response to changing business environment

Agile is an iterative and incremental approach to project management that adapts to uncertain, complex and changing needs

Being Agile is a mindset based on Values and principles

In Agile project management approach, the project is delivered in a series of “Iterations”

Agile approaches embrace change, Scope can vary within the project

Preparation for discussion panel:

- Think of projects can follow Traditional Project Management approach and which projects suit Agile Project Management.
- Give an example for each.

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For Discussion Panel

Before next lecture:

- Reading:
["The Key Values and Principles of the Agile Manifesto"](#)

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For Next Lecture



Thank You