

31272 Project Management and the Professional

Lecture 1: Introduction
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Getting to know PMP: subject learning objectives

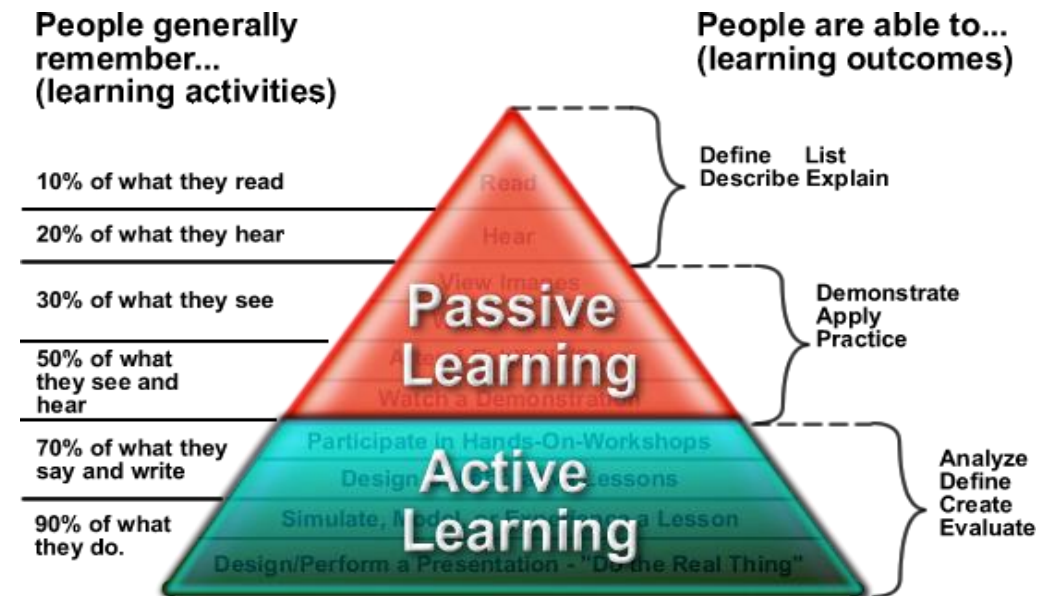
1. Explain the social impact of information technology and responsibility of IT professionals and importance of ethical codes of conduct within projects;
2. Divide a project into components to explain what value that project will provide if implemented
3. Use team building skills and generic tools to plan a project
4. Collaborate in teams to create the project outcome
5. Reflect on what has been learnt and how this can feed into better outcomes for future projects

Getting to know PMP: Program

- | | |
|--|--|
| 1. Introduction and project fundamentals | 8. Detailed schedule management |
| 2. Ethical and professional foundations | Stu Vac |
| 3. Governance and measurement of value | 9. Resources |
| 4. Project Charter | 10. Public Holiday
(No lecture or tutorials this week) |
| 5. Stakeholder Management | 11. Quality |
| 6. Risk and Integration management | 12. Project closure, HR and procurement |
| 7. Schedule management. Estimation | StuVac |

Getting to know PMP: Active Learning

- Lecture time is focused on content
- Tutorial time is focused on content and engagements
- Designed to clarify and reinforce your learning
- Assumes familiarity with the content *before* coming to tutorials



<https://lo.unisa.edu.au/mod/book/view.php?id=610988&chapterid=101290>

Getting to know PMP: Class Format

- Each week there will be a one hour briefing and a 2-hour tutorial.
- You will need the content from the lecture to complete the tutorial successfully.
- You will need to attend the tutorials to pass the course.
- There is an individual assignment on ethics.
- There is a large group assignment.
- Topics are listed in the subject outline.
- Slides and readings are available on Canvas.

Getting to know PMP: resources

Textbook

Pearson, N., Larson E. W., & Gray C. F. 2022, Project Management in practice- 3rd ed., McGraw - Hill Education, Australia ISBN 9781760427085

- Available online in the library.
- Also available for purchase in softcopy and hardcopy (link and discount code on Canvas)
- Contains detailed examples and explanations – please check it if you are stuck for ideas

Multiple other sources of information - take your pick!

- Books
- Journals and other reading materials
- Videos and podcasts
- LinkedIn learning courses – link is on Canvas

Assessments

Team charter	(group)	10%
Ethics report	(individual)	20%
<i>Milestone Task</i>		
Project health check	(individual)	5%
5 interim reports of 3 marks each	(group)	15%
Group report	(individual)	40%
<small>working group, assessed individually based on updated interim reports</small>		
Personal reflections	(individual)	<u>10%</u>
		100%

In order to pass the subject you will need to achieve a minimum of 50% **overall**

AND

Should you receive an unsatisfactory language level in milestone task you may be required to complete further language support after the completion of this subject.



Content

Projects and Project Management

A Project is ...

A **temporary endeavor** undertaken to accomplish a **unique purpose**.

Project Management is ...

The application of knowledge, skills, tools, and techniques to project activities in order to **meet project requirements**

Why Project Management?

Without careful planning sometimes things just go wrong!

Australian Parliament House (1988)

\$220m to 1100m; 5 months late

West Connex (2024)

\$10b to \$20B

<https://www.theguardian.com/australia-news/2023/nov/24/westconnex-a-20bn-money-pit-or-a-bold-plan-for-sydneys-future-experts-remain-divided>

Sydney Opera House (1973)

\$7m to \$103m, 10 years late

Sydney Olympics (2000)

\$600m to \$6000m

Sydney Metro (2024)

\$12B to \$25.B, 5 years late

<https://www.theguardian.com/australia-news/2023/apr/13/nsw-government-launches-sydney-metro-review-amid-21bn-cost-blowout>

QLD Health Payroll (2011)

\$6m to \$1200m (est); cancel

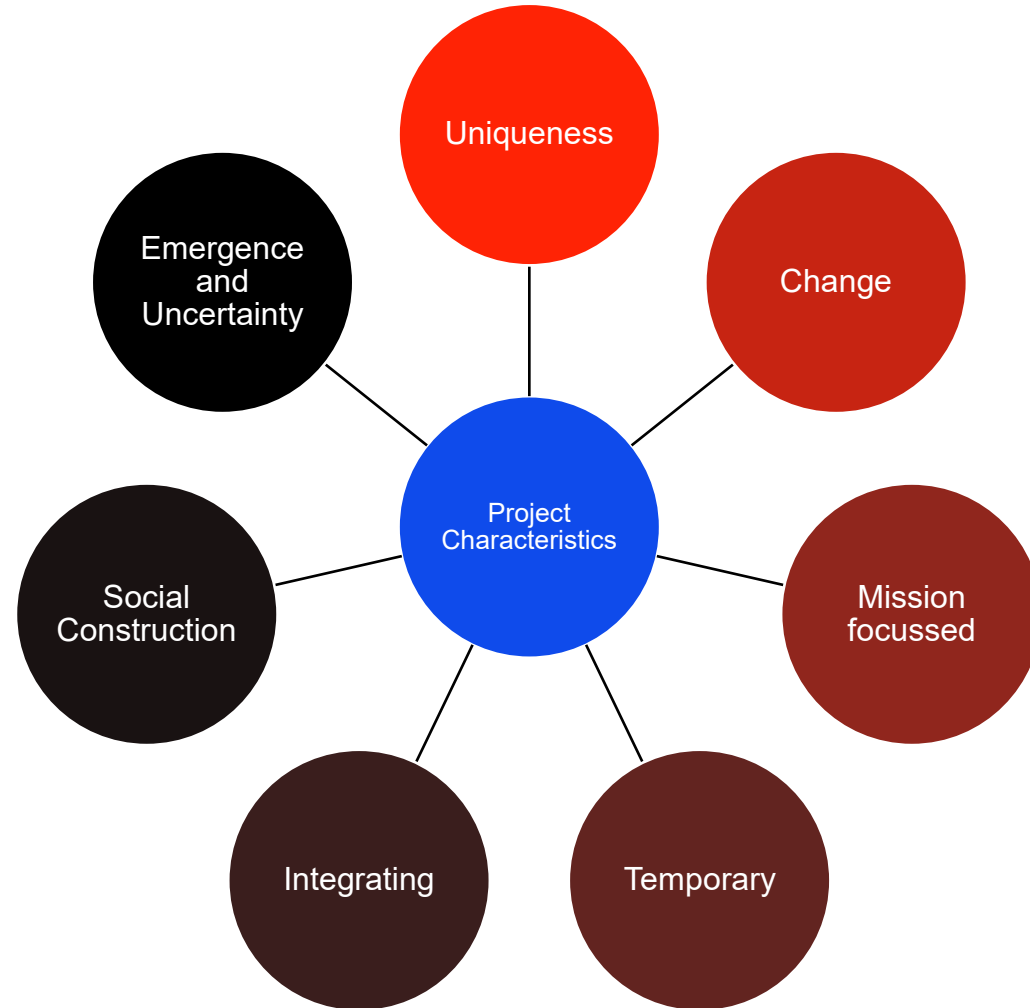
Sydney Light Rail to Lilyfield (2000)

\$1200m to 3200m; 1 year late

2026 Commonwealth games in Victoria

Cancelled due to budget blowout

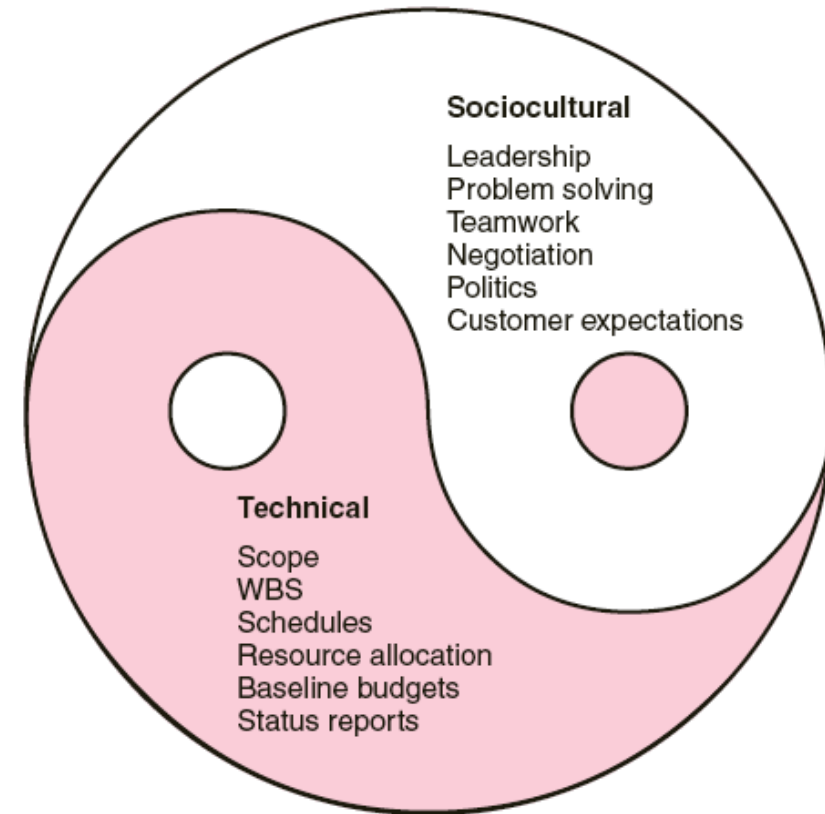
Project Characteristics



Maylor (2010)

The role of perspective

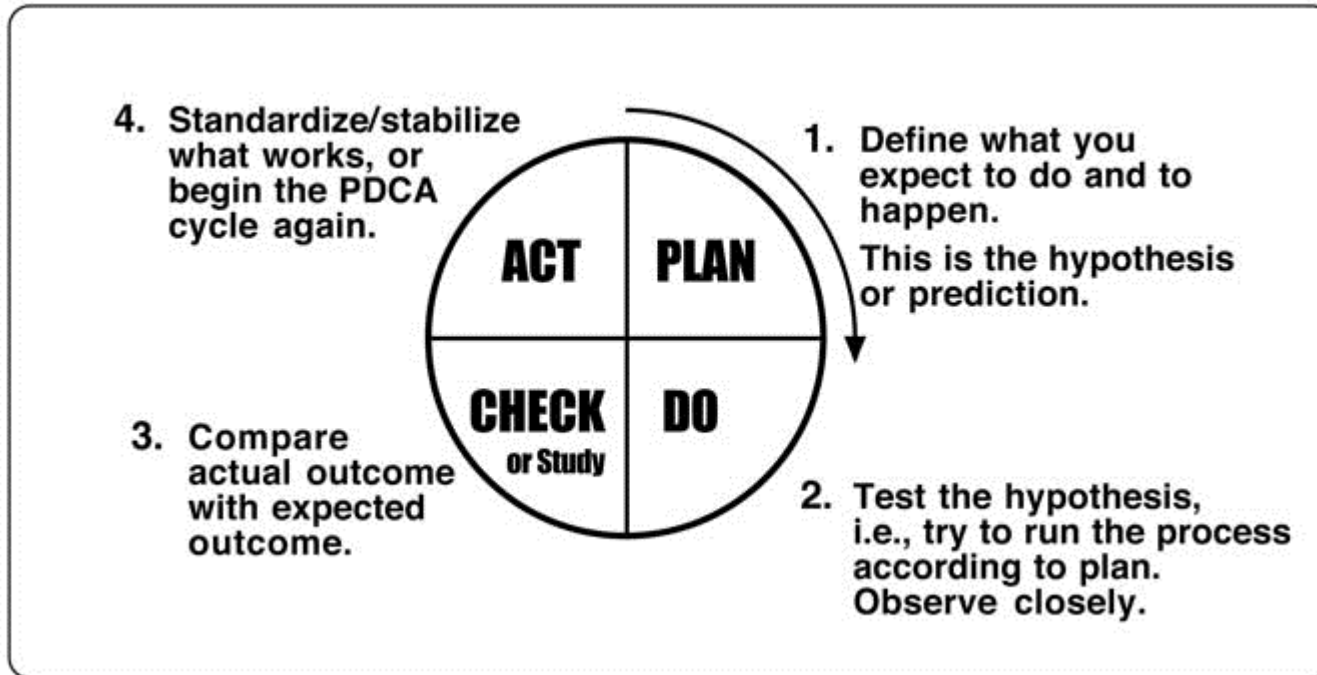
1. Task-based view
2. Organisational view
3. Change view
4. Resource-based view
5. Stakeholder-based view
6. Systems view



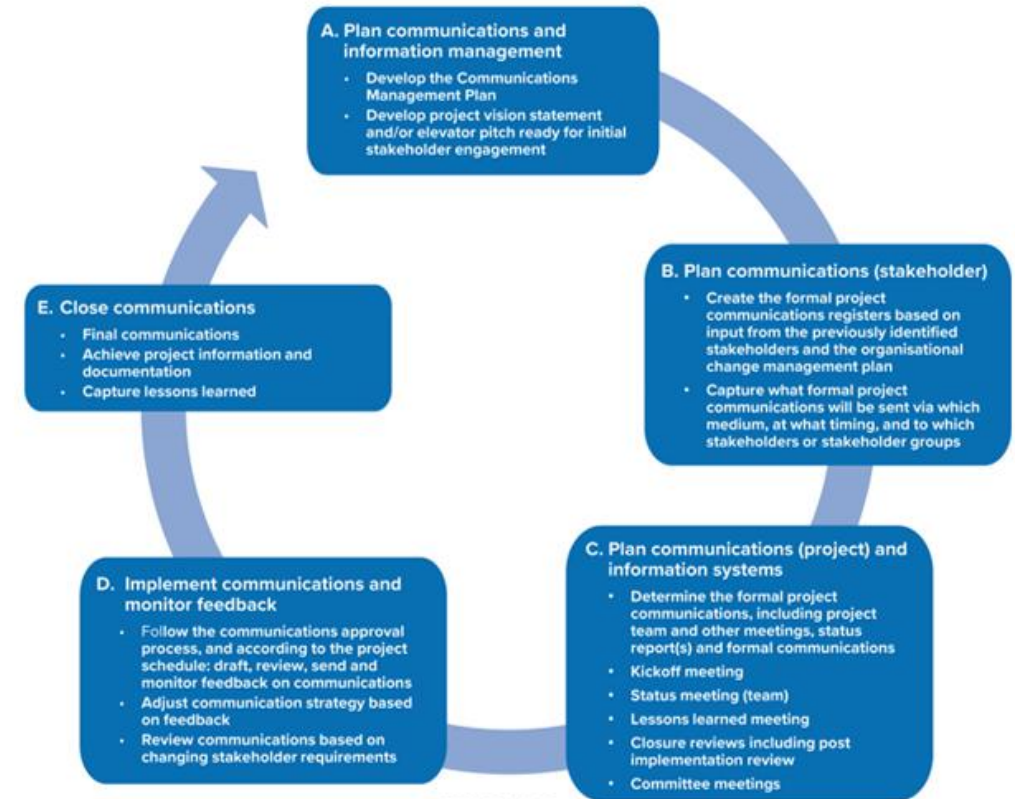
Andersen (2008)

Larson et al. (2014)

Shewhart cycle – Plan Do Check Act

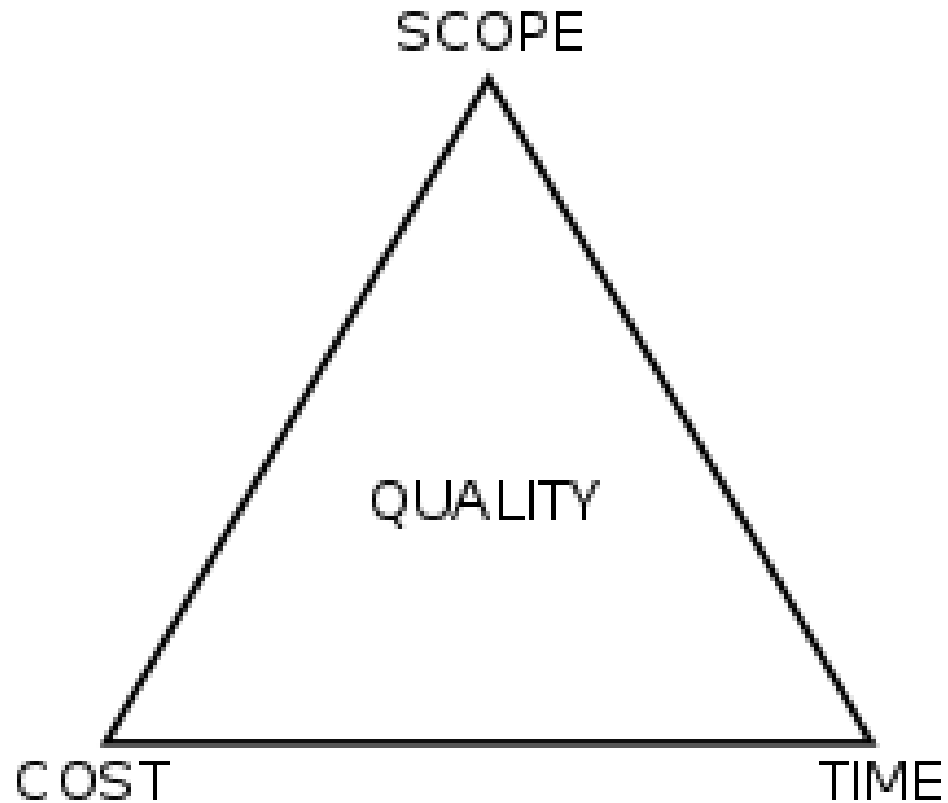


<https://www.ineak.com/this-is-pdca-plan-do-check-act/>



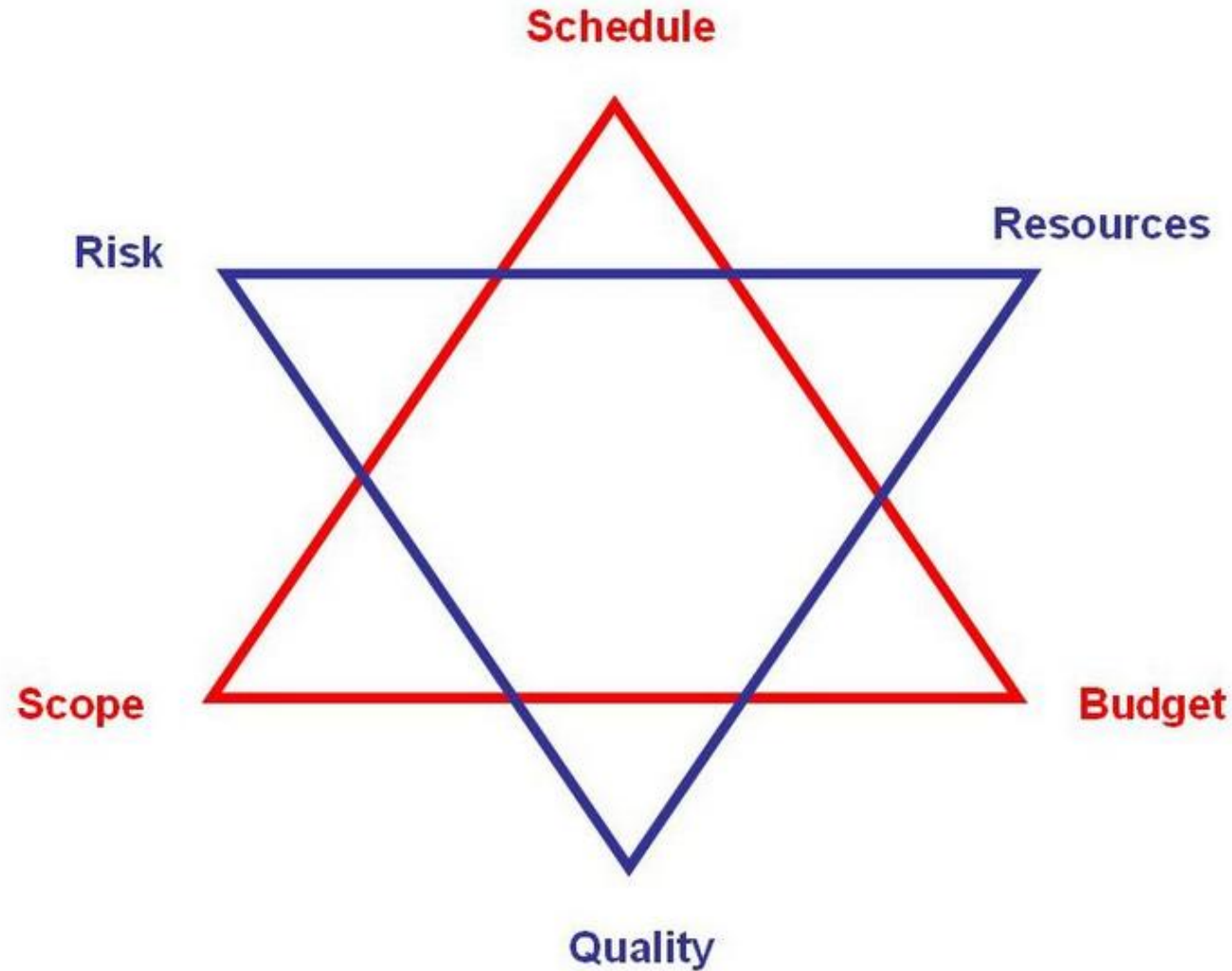
Pearson – chapter 15 Information and communication

A simple view – project management triangle



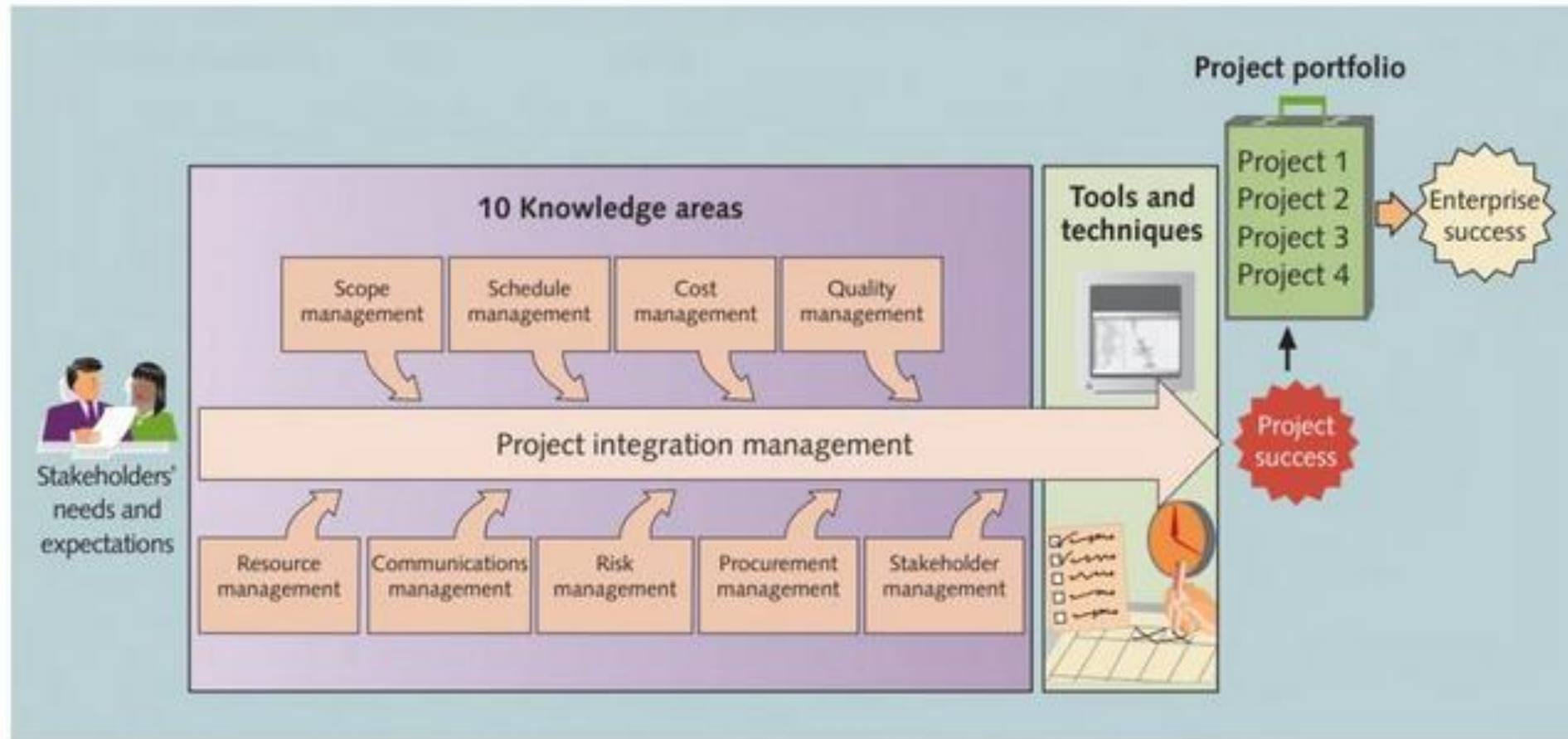
Project management triangle – Wikipedia (2023)

A more complex view– triple constraint



Project management triangle
Wikipedia (2023)

Another model



Schwalbe (2018)

The book of knowledge

PMBOK® Guide – Sixth Edition

A Guide to the Project Management Body of Knowledge:

- Introduction, Project Environment, and Role of the Project Manager
- Knowledge Areas
 - Integration Management
 - Scope
 - Schedule
 - Cost
 - Quality
 - Resources
 - Communications
 - Risk
 - Procurement
 - Stakeholders

The Standard for Project Management:

- Initiating
- Planning
- Executing
- Monitoring and Controlling
- Closing

Appendices, Glossary, and Index



PMBOK® Guide – Seventh Edition

The Standard for Project Management:

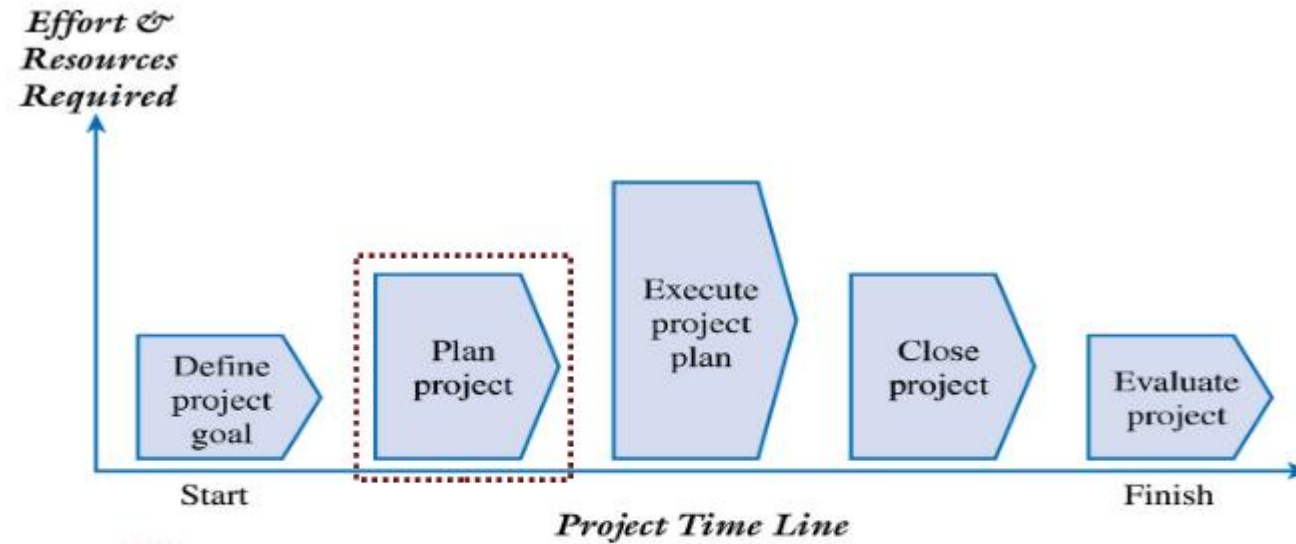
- Introduction
- Project Delivery Principles
 - Stewardship
 - Team
 - Stakeholders
 - Value
 - Holistic thinking
 - Leadership
- Value Delivery System
- Tailoring
- Quality
- Complexity
- Opportunities and threats
- Adaptability and resilience
- Change management

A Guide to the Project Management Body of Knowledge:

- Performance Domains:
 - Team
 - Stakeholders
 - Life cycle
 - Planning
 - Navigating Uncertainty and Ambiguity
 - Delivery
 - Performance
 - Project Work
- Tailoring
- Models, Methods, and Artifacts

Appendices, Glossary, and Index

Project time line



First assignment: Team charter (group)

- How are you going to work together?
- How are you going to communicate with each other?
- Who is responsible for each item?
- What are your group expectations?
- What happens when things don't work out?
- How do you know that you are on track to get the mark you expect?

Team charter - SWOT analysis

Goal: To complete our team project and get the best grade in the class.

Strengths

- Each team member brings unique skills. We have a technology person, a good researcher, and a good writer.
- We all have a good understanding of the project requirements.
- Several of us have worked together successfully in the past.

Opportunities

- We are able to secure space in the library to meet up.
- All of us agree that this is a great chance to build our teamwork competencies.

Weaknesses

- Several of us don't feel confident with the topic.
- Some team members don't know one another.
- One team member does not have access to a computer at all times.

Threats

- Disagreements on how to proceed may come up.
- It will be hard to find time to meet up.

<https://helpfulprofessor.com/personal-swot-analysis-examples-for-students/>

Team charter - Risk analysis

Risk Id	Priority Rank	Risk Description	Trigger	Owner	Probability (L / M / H)	Impact (L / M / H)	Mitigation Response
R01							
R02							
R03							

*give a unique identifier, risk priority (importance 1 down to 3 based on probability x impact), description, trigger event, risk owner, probability of it occurring (low/med/high), potential impact and the strategy to mitigate and manage the risk if it happens)
For a risk mitigation template – refer Table 16.9 (Pearson)*

Remember

- Active learning involves preparation
- Read the 31272 subject outline in detail. Is this the subject you wish to take at this time?
- Look at Canvas for 31272. Do you understand how the subject materials will be made available?
- Confirm tutorial time/room. Capacity is set and you only have limited time to change in order to link with friends (you must be in a group).
- Tutorials start in week 2.
- All tutorials are on Campus.

Questions?