

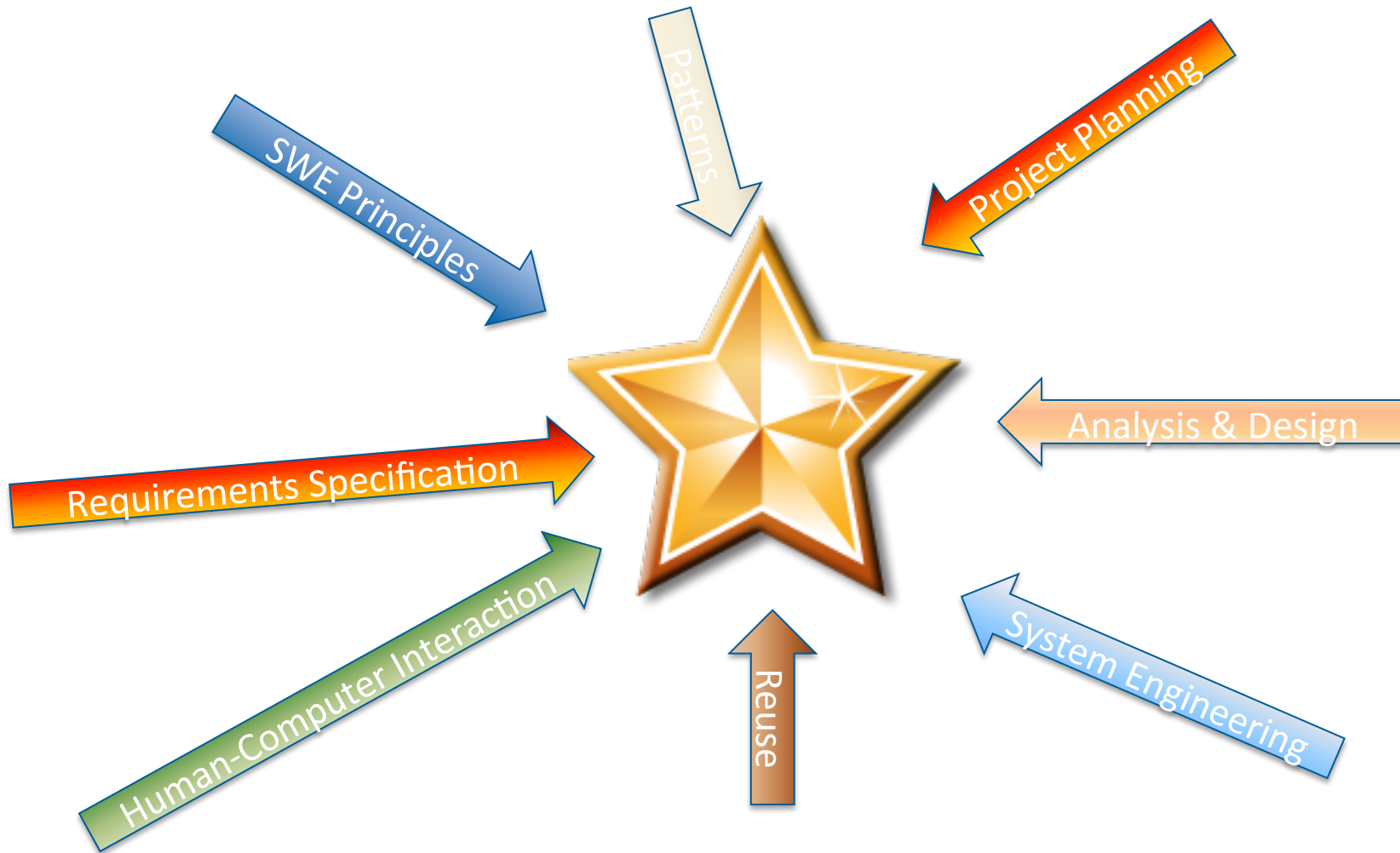


# Software Quality





# Overview





# Objectives

Here is what you should be able to do upon completion of this module:

- Define some terms related to Software Quality.
- Perform activities to achieve and assure software quality.
- Justify the Return on Investment (ROI) of quality processes.
- Prevent defects from entering into your software in the first place.
- Demonstrate how investments in People, Process and Tools can promote quality.
- Describe the Quality organization: CM, Testing, and SQA.



# Outline

- Software quality definitions.
- The quality triangle.
- Quality assurance.



# Software Quality Definitions

- Define Software Quality
- Criteria of Software Quality
- Achieving Software Quality
- Assuring Software Quality
- Cost of Quality Return on Investment
- Failures, Defects and Errors
- Classifying Defects
- Classifying Errors
- Fixing Defects
- Finding Defects
- Preventing Defects

# Next Steps

- After working on the wiki documents, proceed to the video on “The Quality Triangle.”

