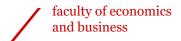# Asset Management

Mock exam questions

February 19, 2018

Mock questions

1. Explain the specific characteristics of the Asset Life Cycle Management (ALM) approach.

2. Name at least 4 attributes an opportunity realisation process must have.

3. Describe *phase x* of the Kumar et al. model. What was missing in the COT case considering that phase?

4. Describe how asset investments can be appraised according to Chan et al.

5. Discuss and illustrate shortcomings of economic justification techniques (Chan et al).

Mock questions

6. Describe the concept of OEE as explained in the lecture.

7. Describe how, according to Waeyenbergh & Pintelon, most critical components could be identified.

Rough guide to the answers

Question 1

The answer could be 'assembled' from reading the lecture slides. Things to mention, e.g.

- Various aspects of interdisciplinary coordination (+ explanation)

- Lifecycle cost approach (+ explanation)

- Optimization over the lifecycle (+ explanation)

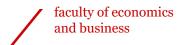*Note that we could also ask for the Schuman and Brent framework (e.g. page 573 of their article)

Question 2

This is mentioned literally in the slides of lecture 1, but the answer could be assembled from your own understanding of Opportunity Realization Processes.

Rough guide to the answers

Questions 3, 4, 5

The answers should follow from reading and understanding the articles (of course you need to be able to apply the main ideas to the COT case).

Question 6

Follows from the article by Muchiri et al. and the lecture slides.

Question 7

Follows from the article by Waeyenbergh & Pintelon. Note that this question implies that in addition to knowing the steps mentioned in the article, you need to have an idea of how the decisions within each of the steps are being made.