Perfecting the Process

SYLLABUS

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1 Overview

Systems Planning (SP) shares common ground with Systems Engineering (SE) regarding formal process models (e.g. use case, activity, sequence in SE; CPD, EPD, TCD in SP). SP and SE have distinct emphasis — for instance, focus on detailed mapping in SE; issue mark-up and formal problem definition (e.g. ‘XYZ’) in SP — that complement each other and naturally build synergy — e.g. enhanced understanding (e.g. function, stakeholder marks), formal problem definition (e.g. ‘XYZ’), and a process-wide action plan (e.g. optimisation) (Perdicoúlis, 2014b).

The course uses a selection of Systems Planning modules — i.e. workshops (e.g. Process Profile™, Decision Logic™, Efficiency Assessment™) and masterclasses (e.g. Efficiency at Work™, Indicators/Indices™, Insight/Innovation™) — to express graphically sequences of states and actions, while marking the special interests of various stakeholders before aiming for convergence and re-design of an optimal process (Perdicoúlis, 2014c).

Certain competences are required and reinforced in the course: (a) Base Skills™ (e.g. action, acumen, communication); (b) dynamic autonomy designated as Competitive Advantage™; (c) integrated multi-dimensional maturity designated as Haute Culture™ (Perdicoúlis, 2014a).

2 Teaching and Assessment

Mode Interactive classes (Perdicoúlis, 2016)

Assignments A preliminary and a final report on a particular case study (§ 3)

Delivery PDF by email, two weeks after the conclusion of the respective session

Criteria Traceability, objectivity, precision, accuracy (Perdicoúlis, 2012)
3 Programme

S01 Introduction
S02 Process Profile™ (workshop) — operation protocols
S03 Decision Logic™ (workshop) — reasoning protocols
S04 Efficiency Assessment™ (workshop) — objective referencing
S05 Strategy Board™ (workshop) — positioning on a situation
S06 Practice session — project management
S07 Efficiency at Work™ (masterclass) — mastering processes
S08 Indicators/ Indices™ (masterclass) — mastering systems
S09 Insight/ Innovation™ (masterclass) — mastering situations
S10 Practice session — plan implementation
S11 Conclusion

4 Diagramming Software

Graphviz (multi-OS) auto-layout; [code]
Instaviz (iOS/iPadOS) WYSIWYG, auto-layout
Concepts (iOS/iPadOS) manual drawings in vector format
OmniGraffle (macOS) WYSIWYG, auto-layout
LibreOffice Draw (multi-OS) WYSIWYG
TikZ/ \LaTeX{} (multi-OS) [code]

5 References and Further Reading

Systems Planning”™ (website) http://systemsplanning.org