Short Courses

KB Dynamics Ltd

2024-25

COURSES OUTLINE

In this section we outline a sample of the key courses that we currently offer. We are also able to create new customized courses for specific client requirements. Please get in touch if you have a specific course requirement that is not listed below. (At present all courses are delivered in English, and advanced English language is a pre-requisite for all modules. Current courses are also aimed at advanced learners with either industrial experience, or postgraduate level education.)

Proposed class capacity:

We can offer courses to suit a range of class sizes, which typically range from 20 to 100 students.

Level: most courses can be planned to have a basic level, with an optional advanced level for suitable courses. This can be arranged over a flexible day schedule as required.

Current Courses:

The current process, provides students with a basic certificate, on completion of a full multi-module course. Students can receive a similar completion certificate for each short course of 2.5 or 3.5 days.

The following data lists currently available course modules. These may be taken singly or in combination. (Annex A provides further information and detail of the course material.)

Course Module	Duration in days
1. Through Life Capability Management (TLCM) in Defence	3.5
2. Government to Government Defence processes	2.5
3. Data Science, Analytics and Visualization	2.5
4. Defence Acquisition & Lifecycle Management	2.5
5. Offsets & Industrial Policy	3.5
6. Systems Design & Thinking	2.5
7. Intelligent Risk Management	2.5
8. Supply Chains Management	2.5
9. UAV Design & Autonomous Technologies	2.5
10. Cyber Defence and Security	2.5
11. AI and Intelligent Systems	2.5
12. Complex Systems & Agent-based Models (Applied AI)	2.5

Course Delivery

Teaching methods

We normally do not provide recorded lectures, as we firmly believe that learning is an interactive process, between the student and educator.

Assessment

Each module has a set of taught lectures followed by a practical team exercise in which student groups address a challenge task based on the module contents. Students are required to create and present as a team their challenge analysis. This may be to the wider student cohort or tailored to suit the specific course requirements. Each student can be assigned individual coursework if required, depending on the course level.

Learning Outcomes

The primary learning outcomes are focused on communication of the challenges inherent within each topic and how best practice can be applied to deliver optimal solutions in the real world. The aim is to transfer real life skills to each student, to enable them to immediately apply their learning from the modules.

Course Assessment

Online post module feedback forms will capture each students personal learning and response to the course material. In addition to providing student assessment of the course quality and delivery, for use by the client and tutors, to improve future course content.

Course Pricing

The pricing for each course is subject to negotiation and can be tailored to suit the specific client requirements. See contact details at end of the document for details on how to get in touch.

Contact Details

For further information of our services please contact via email at:

kogilab@kb-dynamics.com

Web site: www.kb-dynamics.com

Annex A: Course Details

The following table outlines in greater details the objectives and focus of each course.

Course Module	Duration/days Proposed
1. Through Life Capability Management (TLCM) in Defence Objectives: This module covers the full spectrum of Defence Capability from planning, acquisition, deployment and decommissioning using the CADMID cycle model. Target audience: civil and military defence staff engaged in defence planning and capability development.	3.5
2. Government to Government Defence processes Objectives: This module looks at how gov-gov defence cooperation functions and how it can be shaped and aligned with local defence industrial policy. Target audience: senior managers in defence industries, both public and private sectors.	2.5
3. Data Science, Analytics and Visualization Objectives: to provide detailed knowledge of how to apply data analytics and visualization in a defence context. Target audience: defence technologists, planners and defence industry engineers.	2.5
4. Defence Acquisition & Lifecycle Management Objectives: this module covers the processes needed to manage specification, design and delivery of defence systems. Target audience: staff engaged in defence procurement	2.5
5. Offsets & Industrial Policy	3.5

Objectives: develop a deep understanding of the Offsets process and how it can enhance localization and defence capacity building Target audience: any managers and planners in the defence sector – primarily in government.	
6. Systems Design & Thinking Objectives: the module teaches the basics of systems thinking as applied to defence technologies and industries. Target audience: technical staff at middle manager level.	2.5
7. Intelligent Risk Management Objectives: to communicate how to assess risk and develop mitigation strategies across defence systems and planning. Target audience: senior managers engaged in defence planning.	2.5
8. Supply Chains Management Objectives: an introduction module to defence supply chains and design. Target audience: junior to middle level defence staff – public sector	2.5
9. UAV Design & Autonomous Technologies Objectives: a basic introduction to UAV concepts, operation and technical background. Target audience: technical staff in defence operations and deployment.	2.5
10. Cyber Defence and Security Objectives: an introduction level module on cyber security in a defence context. Target audience: any staff operating in defence.	2.5

11. A.I and Intelligent Systems Objectives: introduction level module to applications of A.I in defence platforms, systems, and operations. Target audience: middle to senior managers in any defence delivery domain.	2.5
12. Complex Systems & Agent-based Models Objectives: advanced module on application of complex systems to defence planning and strategy Target audience: senior defence managers and planning staff.	2.5