Course Syllabus

Strategic management of capability development and defence acquisition

Strategisk ledning av förmågeutveckling och materielförsörjning

Course Code	2MF004	**Main Field of Study**	Systems Science for Defence and Security
Valid from Semester	Autumn 2020	**Department**	Department of Military Studies
Education Cycle	Advanced level	**Subject**	Systems Science for Defence and Security
Scope	7.5	**Language of Instruction**	The teaching is conducted in English.
Progression	A1N	**Decided by**	The Research and Education Board's Course Syllabus Committee at the Swedish Defence University
Grading Scale	Fail, Pass, Pass with Distinction	**Decision date**	2020-01-22
Revision	1.2		

Entry Requirements

Admitted to the Master's Programme in Defence and Security Systems Development

Degree of Bachelor of Science in Military Studies or a Bachelor's degree in Engineering with a minimum of 180 credits, or equivalent.

Course Content and Structure

The course describes how Sweden and other countries organise and plan their innovation, the long-term supply of defence materials and capability development. The course is intended to contribute to the student's understanding of how Swedish defence acquisition is implemented as a support to capability development, and the roles of the various organisations involved in these processes. Students should understand the generic stages involved in the creation of capabilities, so that they can participate in and manage these processes.

Capability development also demands collaboration with other countries. The course therefore deals with the importance and impact of defence exports, defence materials collaborations, offset, the transfer of technologies, and international standardisation work.

Intended Learning Outcomes

After completed course the student should be able to:

- explain the planning and implementation of Swedish defence acquisition for the purpose of creating capabilities, as well as the roles of the various stakeholders; This should be described by setting the Swedish approach in an international context in which the Swedish approach is related to that of other countries;
- apply internationally accepted scientific theory to describe and analyse processes for defence acquisition and capability development and how these interconnect;
- individually and in small groups, demonstrate the ability to identify and relevantly frame the question of what leads to a military capability, and subsequently choose relevant analytical methods with consideration for the complexity of the task and the decision horizons involved;
- demonstrate the ability to analyse and assess on what grounds decisions and standpoints are taken in order to drive a process that leads to a capability that facilitates a military effect; and
- discuss theories and methods for studying the management of strategic capability development.

Type of Instruction

Teaching will be conducted in the form of lectures, independent study, seminars

Assessment

Examination

Scope: 7.5

Grading Scale: Fail, Pass, Pass with Distinction

Examination of the introductory literature element will be through active participation in a literature seminar, including the submission of a written assignment. The second element of the course will be examined through the submission of a written assignment, active participation in group work and, finally, a written examination.

Grading

Grades are set according to a three-grade scale: Pass with Distinction (VG), Pass (G) and Fail (U).

A pass (G) for the course requires active and constructive participation in the compulsory seminar and a pass (G) for both the written assignment and written examination.

A pass with Distinction (VG) for the course requires a pass with Distinction (VG) for both the written assignment and written examination, as well as the above-mentioned pass (G) for active and constructive participation.

The examiner may decide to request supplementation in order to achieve a passing grade. Examination papers submitted after the closing date will not be graded unless special circumstances exist that are acceptable to the examiner. Supplementation shall be submitted no later than five working days after the result and supplemental task for the examination in question have been notified, unless special circumstances exist that are acceptable to the examiner.

Restrictions in Number of Examinations

There is no limit on the total number of examination opportunities. The total number is restricted to one ordinary examination and two retakes in any two-term period, unless special circumstances exist that are acceptable to the examiner.

Restrictions Concerning Degree

The course cannot be part of a degree whose content is wholly or partly in accordance with the content of this course.

Transitional Provisions

When a course is no longer provided or when the content of a course has been significantly altered, the student/participant retains the right to be examined in accordance with this course syllabus once per term during a three-term period.

Miscellanous

The course is held as a compulsory element of the Master's Programme in Defence and Security Systems Development for students who have completed the Officers Programme or equivalent.

On the completion of the course, an evaluation will be conducted under the auspices of the course director, which will form the basis for any changes to the course.

The course will be held in English. If no international students are admitted, parts of the course may be held in Swedish.

If the student has a decision from the Swedish Defence University stating the need for extra pedagogical support because of a functional disability, the examiner may decide on alternative examination forms for the student.

This is a modified version of the syllabus, created to transfer the original to the education database Kursinfo. For originals, contact the archive.

Reading List

Strategic management of capability development and defence acquisition

Strategisk ledning av förmågeutveckling och materielförsörjning

Course Code	2MF004
Revision	1.2
Reading List Valid from Date	2020-06-05
Reading List Decided Date	2020-06-05

Literaturelist 2MF004

Other Information

Försvarsmakten, Strategi för Försvarsmaktens materielförsörjning (2007) HKV 23 241:61994

Industriella effekter av direkt militär offset vid försvarsexport (2009) FOI-R—2863--SE

Internationaliserad materielförsörjning (2010) FOI-R—3108--SE

Utvärdering av Försvarsmaktens materielförsörjningsstrategi (2011) FOI-R—3209--SE

Realisering av effektivare materielförsörjning (2012) FOI-R—3456--SE

Teknologipolicy för ledningsområde Mark (2012) FOI-R—3525--SE

Försörjningstrygghet för mängdmateriel (2016) FOI-R—4366--SE

Maidique, M.A. and Patch, P. (1988), "Corporate Strategy and Technological Policy", in Tushman, M.L. and Moore, W.L. (eds) (1988), Readings in the Management of Innovation, 2nd ed, Ballinger, pp. 236-248

Bitzinger, Richard (1994), "The Globalization of the Arms Industry: The Next Proliferation Challenge", International Security, Volume 19, Number 2, Fall 1994

Hayward, Keith (2009), "The Globalisation of Defense Industries", in: The Modern Defense Industry, pp. 95-106, Praeger Security International, Santa Barbara

Hall, Peter et al (2010). "Government policy: defence procurement and defence industry", in: Markowski, Stefan et al (eds.), Defence Procurement and Industry Policy – A small country perspective, pp. 153-184, Routledge, New York

Finkel, Meir (2011), On Flexibility, Stanford Security Studies

Lundmark, Martin (2011), Transatlantic Defence Industry Integration – discourse and action in the organizational field of the defence market, (doktorsavhandling), EFI, Handelshögskolan i Stockholm (utdrag ur)

Ikegami, Masako (2013), "The end of a 'national' defence industry? – Impacts of globalization on the Swedish defence industry", in: Scandinavian Journal of History, Vol. 38, No.4, 436-457, Routledge.

Ross, Andrew (2016), "The Potential Import of New, Emerging and Over-the-Horizon Technologies", in: Bitzinger, Richard (red), Emerging Critical Technologies and Security in the Asia Pacific, s. 22-36, Palgrave Macmillan, Basingstoke

Gholz, E., James, A., Speller, T. (2018), "The second face of systems integration: An empirical analysis of supply chains to complex product systems", in. Research Policy, 47, pp. 1478-1494

Lundmark, Martin (2019), The Swedish Defence Industry – drawn between globalization and the domestic pendulum of doctrine and governance, in: Belin & Hartley (eds), Routledge, New York

Olsson, Per (2019), Pang för pengarna – en ESO-rapport om Sveriges militära materielförsörjning, SOU 2019:7

Dunne, Sköns & Tian (2020), "The Changing Economics of Global Arms Production", PRISM Working Paper Series, Number 2020-2

Andra artiklar kommer att tillkomma

Referenslitteratur

Prop. 2008/09:140, Ett användbart försvar, Regeringen (2007)

Försvarsmateriel på nya villkor SOU 2001:21

Forskning och utveckling på försvarsområdet SOU 2016:90

Försvarsmaktens långsiktiga materielbehov SOU 2018:7

Försvarsupphandlingsdirektivet 2009/81/EG

Lagen om upphandling inom försvars- och säkerhetsområdet /(LUFS) 2011:1029

Underlag om upphandling av stridsfordon AMV, SEP /360

Utdrag ur propositioner och andra officiella publikationer från statsmakten

Dokument och texter kopplade till Nato, EU, EDA, Nordefco, Occar m.m.