

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF Military Science/ Defence Studies

COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Science /Art <i>(Degree/ Honors)</i>		Semester – VI	Session: 2026-2027
1	Course Code	DSSC -06T	
2	Course Title	Modern Warfare	
3	Course Type	Theory	
4	Pre-requisite (if, any)	<i>As per requirement</i>	
5	Course Learning Outcomes (CLO)	After undergoing this course a student will be in a position to – 1. Understand the impact of modern weapons on war. 2. Know the effect of Science and Technology on warfare. 3. There will be information about the development related to Modern warfare in India. 4. Will understand Cyber warfare, artificial intelligence, Information technology warfare.	
6	Credit Value	3 Credits	<i>Credit =15 Hours Study, Learning & Observation</i>
7	Total Marks	Max. Marks: 100	Min Passing Marks: 40
PART -B: Content of the Course			
Total No. of learning-Training/performance Periods: 60 Periods (60 Hours)			
Module	Topics (Course contents)		No. of Period
Unit 1	Nuclear weapons & Missiles : 1. Development of Nuclear weapons. 2. Effects of nuclear weapons.. 3. Spread of nuclear weapons. 4. Types of Missile and their characteristics.		15
Unit 2	Science and Technology In War : 1. Trends of science and technology and their impact on war. 2. Role of research and development in military. 3. Development of weapons and their impact on tactics. 4. Command, control, communication and intelligence (C3I) in Modern warfare.		15
Unit 3	AI & Wars : 1.. Cyber Security. 2. Artificial Intelligence and future prospects. 3. Information warfare. 4. Emerging technology. 5. Smart weapons.		15
Unit 4	Strategic Technology : 1. Military Satellite 2. Rocket technology and India. 3. Missile technology and India. 4. Nuclear technology and India. 5. Atomic minerals and India. 6. Space technology and India.		15
Keywords	Nuclear weapons , Missiles, Science and Technology In War, Artificial Intelligence, Strategic Technology		

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11.6.24

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Signature of Convener & Members (CBoS) :

PART-C: Learning Resources

Text Books, Reference Books and Others

1. Halailan Morton : Cotemporary Military strategy
2. Brodue, Y. : Strategy in the missile Age.
3. Markabi, Y. : Nuclear war and Nuclear peace
4. Know Kalus : Science and Defence
5. Pandey Girishkant : Yudhmein Vigyanaven Takaniki

Online Resources-

Ministry of Defence - <https://mod.gov.in>,
SWAYAM - <https://swayam.gov.in/>
SWAYAM PRABHA - <https://swayamprabha.gov.in/>
NIOS - <https://nios.ac.in/online-course-material/>

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:


Maximum Marks: 100 Marks


Continuous Internal Assessment (CIA): 30 Marks

End Semester Exam (ESE): 70 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 20 & 20 Assignment/Seminar +Attendance - 10 Total Marks - 30	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 30 Marks
End Semester Exam (ESE):	Two section – A & B Section A: Q1. Objective – 10 x1= 10 Mark; Q2. Short answer type- 5x4 =20 Marks Section B: Descriptive answer type qts., 1 out of 2 from each unit-4x10=40 Marks	

Name and Signature of Convener & Members of CBoS:


11.6.24





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COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Science /Art (Degree/ Honors)		Semester – VI	Session: 2026-2027
1	Course Code	DSSC -06P	
2	Course Title	Psychological Experiment	
3	Course Type	Practical	
4	Pre-requisite (if, any)	As per requirement	
5	Course Learning Outcomes (CLO)	After undergoing this course a student will be in a position to perform Military Psychology Experiment. 1. Explain the scientific method and its application in psychological research. 2. Distinguish between different types of research designs used in psychology experiments 3. Identify and discuss ethical considerations in conducting psychological research. 4. Analyze the strengths and weaknesses of various psychological research methods (e.g., surveys, observations, experiments)	
6	Credit Value	1 Credits	Credit =30 Hours Laboratory or Field learning/Training
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20

PART -B: Content of the Course

Total No. of learning-Training/performance Periods: 30 Periods (30 Hours)

Module	Topics (Course contents)	No. of Period
Lab./Field Training/ Experiment Contents of Course	Military - Psychology Experiment - 1. Muller - Layer-Illusion Test. 2. Koh's Block Design Test. 3. Allexander Pass Along Test.	30
Keywords	Psychology Experiment, Discuss ethical considerations, Strengths, Weaknesses.	

Signature of Convener & Members (CBoS) :

PART-C: Learning Resources

Text Books, Reference Books and Others

1. M.P.Verma : Sainik manchitra vigyan
2. Y.K. Sharma : Map reading
3. Balwant Singh : An easy approach to map reading
4. Gale and Porden : A complete guide to military map reading
5. J.M. Srivastava : Practical military science part 1
6. B:N. Maliwal : Military science practical

Online Resources–

- Ministry of Defence - <https://mod.gov.in>,
 SWAYAM - <https://swayam.gov.in/>
 SWAYAM PRABHA - <https://swayamprabha.gov.in/>
 NIOS - <https://nios.ac.in/online-course-material/>

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PART -D:**Suggested Continuous Evaluation Methods:****Maximum Marks: 50 Marks**

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 10 & 10	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 15 Marks	
	Assignment/Seminar +Attendance - 05		
	Total Marks - 15		
End Semester Exam (ESE):	Laboratory / Field Skill Performance: On spot Assessment		Managed by Course teacher as per lab. status
	P. Performed the Task based on lab. work	- 20 Marks	
	Q. Spotting based on tools & technology (written)	- 10 Marks	
	R. Viva-voce (based on principle/technology)	- 05 Marks	

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