



CENTRAL UNIVERSITY OF JAMMU
DEPARTMENT OF NATIONAL SECURITY STUDIES

M.A Ist Semester July, 2017

Course No: PGNSS3C003T
Total Credits = 4

Title: Warfare in the 21st Century

Course Description

This course is intended to introduce M.A. students about the causes and historical background of warfare. The aim is to make the students understand the main causes and the principles of war. It also makes the students to understand about 20th century war and revolution in military affairs. It also elucidates the students on new forms of warfare in the present day context.

Students are expected to come prepared to the class with the assigned reading. However, these readings are very basic and original contribution, but additional readings will be given during the course period. Students can also find books on various topics related to Warfare in the 21st Century in the library. It is suggested to go through www.rand.org, www.sipri.org official sources such as basic structure and functions, Etc.

Examination and Grading

There will be a **mid-term examination** and an **end-semester examination**, of two hours of maximum 50 marks and three hours of maximum 100 marks respectively. Students are expected to submit two classroom assignments each at the time of examination. The final grade will be computed with 25% weight to the mid-term examination and 50 % weight to the end-semester examination. The rest 25 % shall be through Continuous Internal Assessment (CIA) based on active participation in classroom activities such as seminars, attendance to the lecture hours and assignments. Students are expected to adhere to strict timelines and be punctual and regular to lectures.

Course Outline and Reading List

Unit-I: Causes and Evolution of War

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
1st Week	I	Introduction to the Course, Basic Concepts and meaning of War, Historical development of war, types of warfare. Tutorial/Assessment	(Total Lectures= 4)
	II		
	III		
	IV		

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
2nd Week	I	Causes and conditions of International Conflict and War, Difference between wars, conflict, battle, campaign, What are the impact of warfare. Tutorial/Assessment	(Total Lectures= 4)
	II		
	III		
	IV		

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
3rd Week	I	Principles of War- Historical Evolution, Pre-BC to Napoleonic War era, Napoleonic ear to end of World War-II, Post World War-II era. Analysis of Indian Principles of War. Tutorial/Assessment	(Total Lectures= 4)
	II		
	III		
	IV		

Unit-II: 20th Century Warfare

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
4th Week	I	Guerrilla Warfare: Concept, Origin, Fighting Techniques, Weapons, Strategy. Tutorial/Assessment	(Total Lectures= 4)
	II		
	III		
	IV		

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
5th Week	I	Low Intensity Conflict (LIC): Meaning, Objective, LIC in India with special reference to Kashmir Tutorial/Assessment	(Total Lectures= 4)
	II		
	III		
	IV		

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
6th Week	I	Limited, Total – Nature, concept and features, Modern Warfare-Arial, Asymmetric, Intelligence, Nuclear, space etc. Tutorial/Assessment	(Total Lectures = 4)
	II		
	III		
	IV		

Unit-III: Revolution in Military Affairs

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
7th Week	I	An Introduction to the Revolution in Military Affairs, History and Context, Background and meaning and Military Revolutions. Tutorial/Assessment	(Total Lectures= 4)
	II		
	III		
	IV		

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
8th Week	I	Components and Elements of Revolution in Military Affairs- Intelligence, Surveillance and Reconnaissance (ITR), Stealth Technologies, Space Weapons. Tutorial/Assessment	(Total Lectures= 4)
	II		
	III		
	IV		

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
9th Week	I	Network War and the Revolution in Military Affairs, The RMA and Alliances, Critiques of the Revolution in Military Affairs.	(Total Lectures= 4)
	II		
	III		
	IV	Tutorial/Assessment	

Unit-IV: New Forms of Warfare (Hybrid War/Cyber War)

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
10th Week	I	Suicide Bombing, Fidayeen attacks with special reference to India, strategy and tactics adopted.	(Total Lectures= 4)
	II		
	III		
	IV	Tutorial/Assessment	

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
11th Week	I	Information Warfare- Command, Control, Communication and Intelligence (C3I), Cyber and Space Warfare and Hacking.	(Total Lectures= 4)
	II		
	III		
	IV	Tutorial/Assessment	

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
12th Week		Psychological Warfare- Propaganda, Wining Hearts and Minds, Psychological Operations, Various techniques of Psychological Warfare.	(Total Lectures= 4) 1 Hour
	II		
	III		
	IV	Tutorial/Assessment	

Unit-V: Simulation and War Game

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
13 th Week	I	Simulation Role, Briefing and de-briefing Exercise.	(Total Lectures= 4)
	II		
	III	Tutorial/Assessment	
	IV		

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
14 th Week	I	Simulation Role, Briefing and de-briefing Exercise.	(Total Lectures= 4)
	II		
	III	Tutorial/Assessment	
	IV		

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic
15 th Week	I	War Games, Simulation Role, Briefing and de- briefing Exercise, Revision	(Total Lectures= 4)
	II		
	III	Tutorial/Assessment	
	IV		

Suggested Readings:

1. Baldwin, David(1997), “The Concept of Security”, *Review of International Studies*
2. Eliot Cohen (2002), “Technology and Warfare”, in Jhon Baylis et al *Strategy*, UK: OUP
3. Franklin D. Kramer, Stuart H. Starr, Larry K. Wentz (ed), *Cyber Power and National Security*, Potomac Books Inc, 2009
4. Jeffrey Carr (2011), *Inside Cyber Warfare: Mapping the Cyber Underworld*, O'Reilly Media,
5. Karan, Vijaya (1997), *War by Stealth: Terrorism in India*, New Delhi: Penguin Books
6. Mikkel Ved by Rasmussen (2006), “The Risk Society at War: Terror, Technology and Strategy in the 21st Century”, Cambridge: CUP
7. P.W. Singer (2014), Allan Friedman (ed), *Cyber security and Cyber war: What Everyone Needs to Know*, Oxford University Press.