SYLLABI AND SCHEME OF EXAMINATIONS FOR SKILL ENHANCEMENT COURSES FOR UNDER GRADUATE PROGRAMS (SINGLE MAJOR / MULTIDISCIPLINARY PROGRAMS) OFFERED BY THE (Defence Studies)

(Based on Curriculum and Credit Framework for UG Programs under NEP)

MAHARSHI DAYANAND UNIVERSITY ROHTAK (HARYANA)

SYLLABI AND SCHEME OF EXAMINATIONS FOR SKILL ENHANCEMENT COURSES FOR

UNDER GRADUATE SINGLE MAJOR/MULTIDISCIPLINARY PROGRAMS/ SINGLE MAJOR PROGRAM AFTER 2nd SEMESTER OF MULTIDISCIPLINARY PROGRAM

Skill Enhancement Course (SEC)	Nomenclature of Course	Course Code	Credits Distribution			Total Credits	Workload			Total Workload	Marks			
			L	T	P		L	T	P		Theory		Practical	Total Marks
											Internal	External		
SEMESTER 1														
SEC 1 @ 3 credits	Military Psychology	24DSS401SE01	2	1	-	03	2	1	-	03	25	50		75
SEMESTER II														
SEC 2 @ 3 credits	Military Leadership	24DSS402SE01	2	1	-	03	2	1	-	03	25	50		75
SEMESTER III														
SEC 3 @ 3 credits	Nuclear Warfare	25DSS403SE01	2	1	-	03	2	1	-	03	25	50		75
SEMESTER VI														
SEC 4 @ 2 credits (offered only in case of Single Major Programme)	Society and Armed Forces	25DSS406SE01	2	-	-	02	2	-	-	02	15	35		50
SEMESTER VII														
SEC 5 @ 4 credits (if offered as an option)	Composition and Administration of Indian Armed forces	27DSS407SE01	3	1	-	04	3	1	-	04	30	70		100
SEMESTER VIII														
SEC 6 @ 4 credits (if offered as an option)	Dimensions of Terrorism	27DSS408SE01	3	1	-	04	3	1	-	04	30	70		100

L: Lecture; T: Tutorial; P: Practical

Syllabi for Defence Studies Course

Semester 1

Name of Program		**Program Code**	
Name of the Course	Military Psychology	**Course Code**	24DSS401SE01
Hours per Week	3	**Credits**	3
Maximum Marks	75 Internal:- 25 External:- 50	**Time of Examinations**	3 Hrs

Note:
Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Outcomes:
CLO1: Students will be able to understand development, functions and significance of Military Psychology.
CLO2: To create a good understanding of vocational Fitness, Individual Differences and method of selection.
CLO3: Student will be able to explain the Various aspects of Fatigue, motivational and maintenance of morale during War and Peace.
CLO4: Student will be able to understand tools of Psychological Warfare, importance, advantage and kind of leadership in Armed Forces.
CLO5: Make the students able to learn about of Importance, Problems of discipline, Aim of discipline and Treatment of Indiscipline.

Unit 1:
Military Psychology: Development; Functions and Problems, Significance.
Human Factor in Fighting Forces:
- Individual Differences, its importance for fighting forces.
- Vocational Fitness, right soldier for a right job; Placement.
- Methods of Selection: Job analysis, Interview: its merits and demerits.

Unit 2:
Fatigue: Causes and Remedy.
Motivation: Kinds, Motivation During War.

Unit 3:
Morale: Factors influencing Morale, Maintenance of Morale During War and Peace.
Discipline: Meaning, Importance, Kinds of Discipline.

Unit 4:
Leadership: Importance, Advantage and Kinds of leadership in Armed Forces.
Tools of Psychological Warfare:
- Brain Washing.
- Rumour.
- Technique of Propaganda.
- Indoctrination and Coercive persuasion.

References:

1. Bartlett, F.C., (1927) Psychology and the Soldier, Cambridge, Cambridge University Press.

2. Baynes, John., (1967) Morale: A Study of Men and Courage, London, Cassell.
3. Boring, E.G., (ed.), (1945) Psychology for the Armed Services, Dehradun, Natraj Publishers.
4. Chibber, M.L. (l986) Military Leadership to Prevent Military Coup, New Delhi, Lancer International.
5. Copeland, Norman., (1967) Psychology and the soldier, Dehradun, English Book Depot, Publishing Company.
6. Hasnain Qamar., (1967) Psychology for the fighting man, Dehradun, English Book Depot, Publishing Company.
7. Lienbarger, P.M.A., (1954) Psychological Warfare, Washington, D.C. Combat Press.
8. Raj Narain, (1979) Military Psychology, Agra: National Psychological Co-operation, 1st edition.
9. Nidhi Maheshwar, (2016) Military Psychology: Concepts, Trends & Interventions, Sage Publication India Pvt. Ltd.

Semester – 2

Name of Program		**Program Code**	
Name of the Course	Military Leadership	**Course Code**	24DSS402SE01
Hours per Week	3	**Credits**	3
Maximum Marks	75 Internal:- 25 External:- 50	**Time of Examinations**	3 Hrs

Note:
Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Outcomes:
CLO1: Students will be able to understand the concept of Military Leadership.
CLO2: To create a good understanding about the importance of team building and management.
CLO3: Student will be able to explain the Various aspects of Fatigue, motivational and maintenance of morale during War and Peace.
CLO4: Student will be able to understand Military Leadership and the Principles of Armed Forces Leadership besides, understanding the decision-making processes of leaders at various points.

Unit 1:
Introduction to Military Leadership: Meaning and Significance.
Types of Leadership.

Unit 2:
Behavioural Concepts:
- Individual Behaviour
- Perception and Learning
- Attitude Formation and Change
- Personality Development.

Interpersonal Behaviour:
- Communication
- Leadership
- Influencing Relations
- Transactional Analysis.

Unit 3:
Group Dynamics: Roles, Morale, Conflict, Inter-Group Behaviour, Inter- Group Collaboration and Conflict Management.
Team Building and Management: Developing team resources, Designing team, Participation and Repercussion, Team building activities.

Unit 4:
Military Leadership: Meaning and Characteristics of Military Leadership.
The Principles of Armed Forces Leadership

References:
1. Aswathappa, (2007) Organisational Behaviour, Himalaya Publishing House, Mumbai.

2. Fred Luthans, Organizational Behaviour, (2007) Tata McGraw-Hill Publishing Co., New Delhi.
3. Koontz Harold and O' Donnell Cyril, (2000) Essentials of Management, Tata McGraw-Hill Publishing Co., New Delhi.
4. Newstorm J.W, and Keith Davis, (1995) Human Behaviour at Work, Tata McGraw-Hill Publishing Co., New Delhi.
5. Robbins, Stephen P, (1996) Organisational Behaviour, 9th Edition, Prentice Hall of India, New Delhi.
6. Stoner, James and Freeman Edward, (1989) Management, Prentice-Hall of India, New Delhi.

Semester – 3

Name of Program		**Program Code**	
Name of the Course	**Nuclear Warfare**	**Course Code**	25DSS403SE01
Hours per Week	3	**Credits**	3
Maximum Marks	75 Internal:- 25 External:- 50	**Time of Examinations**	3 Hrs

Note:
Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Outcomes:
CLO1: Understand the historical context and evolution of nuclear weapons, and how they have shaped global politics, security, and military strategy.
CLO2: Develop critical thinking skills in analyzing the strategic use of nuclear weapons and the implications for international peace and security.
CLO3: Evaluate the ethical, political, and security dilemmas associated with nuclear weapons, including the challenges of non-proliferation, arms control, and disarmament.
CLO4: Apply theoretical frameworks such as deterrence theory, arms control, and crisis management to current nuclear security challenges.

Unit 1:
Introduction to Nuclear Warfare:
- Definition and concept of nuclear warfare.
- Historical overview of the development of nuclear weapons.

Unit 2:
Nuclear Strategy and Doctrine
- Theories of nuclear deterrence: Mutually Assured Destruction (MAD), Extended Deterrence, and Counterforce vs. Countervalue targets.
- Nuclear doctrines of major nuclear powers (USA, Russia, China, India, etc.).
- The role of nuclear weapons in military strategy and defense policy.
- First-strike vs. second-strike capabilities.

Unit 3:
The Cold War and Nuclear Arms Race
- Nuclear competition during the Cold War: USA vs. USSR.
- The development of nuclear arsenals, delivery systems (ICBMs, SLBMs, bombers).
- The Cuban Missile Crisis and the threat of nuclear war.
- The concept of nuclear escalation and crisis management during the Cold War.

Unit 4:
Nuclear Non-Proliferation and Disarmament
- The Nuclear Non-Proliferation Treaty (NPT): Objectives and challenges.
- The role of the International Atomic Energy Agency (IAEA).
- Efforts toward nuclear disarmament: The Comprehensive Nuclear-Test-Ban Treaty (CTBT) and the Treaty on the Prohibition of Nuclear Weapons (TPNW).
- The politics of nuclear disarmament: Obstacles and controversies.

References:
1. Nystuen, G. Casey-Maslen, S., & Bersagel, A.G. (Eds.). (2014). *Nuclear Weapons Under International Law*. Cambridge University Press.

2. Born, Hans (2010). Governing the Bomb: Civilian Control and Democratic Accountability of Nuclear Weapons. United Kingdom: Oxford University Press.
3. Evans, G. J., & Kawaguchi, Y. (Eds.). (2009). *Eliminating Nuclear Threats: A Practical Agenda for Global Policymakers*. Austria: International Commission on Nuclear Non-proliferation and Disarmament.
4. Sokolski, H. D. (2004). Getting MAD: Nuclear Mutual Assured Destruction, Its Origins and Practice. United States: Defense Technical Information Center.
5. Best, M.L., Hughes-Wilson, J., & Piontkowsky, A.A. (Eds.). (2013). *Strategic Stability in the Post-Cold War World and the Future of Nuclear Disarmament.* Germany: Springer Netherlands.
6. Perkovich, G. (2017). Abolishing Nuclear Weapons. United Kingdom: Taylor & Francis.
7. Delpech, T. (2012). Nuclear Deterrence in the 21st Century: Lessons from the Cold War for a New Era of Strategic Piracy. United States: RAND Corporation.
8. Maerli, Bremer. & Sverre Lodgaard, (Eds.) (2007). *Nuclear Proliferation and International Security.* United Kingdom: Taylor & Francis.
9. Brodie, B. (2015). Escalation and Nuclear Option. United States: Princeton University Press.
10. Snyder, G. H. (2015). Deterrence and Defense. United States: Princeton University Press.
11. Karnad, B. (2008). India's Nuclear Policy. Ukraine: ABC-CLIO.
12. Gavin, F. J. (2020). Nuclear Weapons and American Grand Strategy. United States: Brookings Institution Press.
13. Lodgaard, S. (2010). Nuclear Disarmament and Non-Proliferation: Towards a Nuclear-Weapon-Free World?. United Kingdom: Taylor & Francis.
14. Frey, K. (2007). India's Nuclear Bomb and National Security. United Kingdom: Taylor & Francis.
15. Woolf, A. F. (2020). Russia's Nuclear Weapons: Doctrine, Forces and Modernization. (n.p.): Independently Published.
16. Russell, B. (2013). Common Sense and Nuclear Warfare. United Kingdom: Taylor & Francis.
17. Rotblat, J. (1981). Nuclear Radiation in Warfare. United Kingdom: Taylor & Francis.

Semester – 6

Name of Program		**Program Code**	
Name of the Course	Society and Armed Forces	**Course Code**	25DSS406SE01
Hours per Week	2	**Credits**	2
Maximum Marks	50 Internal:- 15 External:- 35	**Time of Examinations**	2 Hrs

Note:
Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Outcomes:
CLO1: Students will be able to understand various aspects of military and society.
CLO2: Deep understanding about role of armed forces in politics.
CLO3: Students can evaluate the role of military in post-conflict societies.
CLO4: Develop critical thinking about latest issues in armed forces and society

Unit 1:
Introduction to Society and Armed Forces

- Definition and role of the military in society.
- The evolution of armed forces through history.
- The social, political, and cultural implications of military institutions.
- Understanding the military as a profession.

Unit 2:

Armed Forces and Politics

- The military's role in governance and political structures.
- Civilian oversight and military professionalism.
- The concept of military coups and interventions.
- Military influence on domestic and foreign policies.

Unit 3:

Military in Post-Conflict Societies

- The reintegration of military personnel into civilian life.
- The effects of war on veterans and their families.
- Post-war societies: rebuilding and demilitarization.
- The role of the military in conflict resolution and peacebuilding.

Unit 4:

Current Issues in Society and Armed Forces

- Militarization of civilian society.
- The changing nature of warfare: technology, drones, and cyber warfare.
- National security challenges in the modern era (terrorism, hybrid warfare).
- The role of the military in humanitarian crises and disaster relief operations.

References:

1. Forster, A. (2005). Armed Forces and Society in Europe. United Kingdom: Palgrave Macmillan UK.
2. Handbook of the Sociology of the Military. (2007). Germany: Kluwer Academic/Plenum Publishers.
3. Roy, K. (2016). India and World War II: War, Armed Forces, and Society, 1939-45. India: Oxford University Press.
4. Schiff, R. L. (2008). The Military and Domestic Politics: A Concordance Theory of Civil-Military Relations. United Kingdom: Taylor & Francis.
5. Jones, E. (2021). Red Army and Society: A Sociology of the Soviet Military. United Kingdom: Taylor & Francis.
6. Adrianus, Jacobus, & Doorn, Antonius (2018). Armed Forces and Society: Sociological Essays. Germany: De Gruyter.
7. Pawakapan, P. (2021). Infiltrating Society: The Thai Military's Internal Security Affairs. Singapore: ISEAS - Yusof Ishak Institute.
8. Edmonds, M. (1988). Armed services and society. United Kingdom: Leicester University Press.
9. Huntington, S. P. (1981). The Soldier and the State: The Theory and Politics of Civil–Military Relations. United Kingdom: Harvard University Press.

Semester – 7

Name of Program		**Program Code**	
Name of the Course	**Composition and Administration of Indian Armed Forces**	**Course Code**	27DSS407SE01
Hours per Week	4	**Credits**	4
Maximum Marks	100 Internal:- 30 External:- 70	**Time of Examinations**	3 Hrs

Note:
Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Outcomes:
CLO1: Students will learn about various aspects of Defence Studies.
CLO2: Provide a deeper understanding about the organization and administration of Indian Armed
Forces.
CLO3: To provide knowledge about role and functions of Indian Armed Forces.

Unit 1:
Defence Studies: Concept, Scope, and Importance.
Defence Studies: Its relations with Social Sciences; Life Sciences and Physical Sciences.

Unit 2:
Principles of organization and administration.
Organization and functions of Ministry of Defence and its various committees.

Unit 3:
Organization and administration of Indian Army's Headquarter.
Static and field formation of Indian Army and its role.

Unit 4:
Organization of Indian Air Force Headquarter and its various formation; and role of Indian Air
Force.
Organization of Indian Navy Headquarter and its various formation; and role of Indian Navy.

References:

1. **Buzan, B., Wæver, O., & de Wilde, J. (1998). Security: A New Framework for Analysis. Lynne Rienner Publishers.**
2. **Krause, K., & Williams, M. C. (1996). Broadening the Agenda of Security Studies:**
3. **Collins, A. (2007). Contemporary Security Studies. Oxford University Press.**
4. **Booth, K. (2007). Theory of World Security. Cambridge University Press.**
5. **Walt, S. M. (1987). The Origins of Alliances. Cornell University Press.**
6. **Gray, C. S. (2013). Strategy and History: Essays on Theory and Practice. Routledge.**
7. **Bacevich, A. J. (2002). American Empire: The Realities and Consequences of U.S. Diplomacy. Harvard University Press.**
8. **Wirtz, J. J. (1999). The Tet Offensive: Intelligence Failure in War. Cornell University Press.**
9. **Huntington, S. P. (1957). The Soldier and the State: The Theory and Politics of**

Civil-Military Relations. Harvard University Press.
10. Gilpin, R. (1981). War and Change in World Politics. Cambridge University Press.

Semester – 8

Name of Program		**Program Code**	
Name of the Course	**Dimensions of Terrorism**	**Course Code**	27DSS408SE01
Hours per Week	4	**Credits**	4
Maximum Marks	100 Internal:- 30 External:- 70	**Time of Examinations**	3 Hrs

Note:
Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Outcomes:
CLO1: Students will learn about various aspects of terrorism.
CLO2: Provide a deeper understanding about the financial sources and strategies and tactics of terrorists.
CLO3: To provide knowledge about counter terrorism strategies and various aspects of international cooperation to counter terrorism.

Unit 1:
Meaning and Definition of Terrorism.
Concept, Origin, and Evolution of Terrorism.

Unit 2:
Types of Terrorism.
Causes of Terrorism.

Unit 3:
Financial Sources of Terrorism.
Terrorist Strategies and Tactics:

- Types of terrorist activities: bombings, hijackings, assassinations, and cyberattacks.
- The role of suicide bombers and the concept of martyrdom in terrorism.
- The use of technology and the internet for recruitment and planning.

Unit 4:
Counter Terrorism Policies and Tools:

- National and international counter terrorism laws and regulations.
- Intelligence gathering, surveillance, and the use of military force in counter terrorism.
- Legal and ethical challenges in counterterrorism operations.

International Cooperation in Counter Terrorism:

- The role of international organizations (e.g., the United Nations, INTERPOL) in combating terrorism.
- Cross-border cooperation, intelligence sharing, and joint counter terrorism operations.
- The role of diplomacy and international law in preventing terrorism.

References:

1. Psychology of Terrorism. (2007). United States: University of south florida tampa Department of mental health law and policy.
2. Marthoz, J. (2017). Terrorism and the Media: A Handbook for Journalists. France: UNESCO.

3. Global Terrorism Index 2015: Measuring and Understanding the Impact of Terrorism. (2015). Institute for Economics & Peace.
4. Conway, M., Macdonald, Stuart, Jarvis, L., Nouri, Lella, & Lehane, O. (Eds.). (2017). *Terrorists' Use of the Internet: Assessment and Response*. Netherlands: IOS Press.
5. Gunaratna, Rohan (Eds.). (2005). *The Changing Face of Terrorism*. Singapore: Marshall Cavendish Academic.
6. Bjorgo, Tore (Eds.). (2005). *Root Causes of Terrorism: Myths, Reality and Ways Forward*. United Kingdom: Taylor & Francis.
7. Bjelopera, J. (2014). The Domestic Terrorist Threat: Background and Issues for Congress. Create Space Independent Publishing Platform.
8. Kumar, Anand (Eds.). (2012). *The Terror Challenge in South Asia and Prospect of Regional Cooperation*. New Delhi: Institute for Defence Studies & Analyses.
9. Silber, M. D. & Bhatt, A. (2007). Radicalization in the West: The Homegrown Threat. United States: Police Department.
10. Beau, John J. Le (Eds.). (2013). *The Dangerous Landscape: International Perspectives on Twenty-First Century Terrorism; Transnational Challenge, International Responses*. Bulgaria: Procon Limited.
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12. Kegley, Charles W. (Eds.). (1990). *International Terrorism: Characteristics, Causes, Controls*. United Kingdom: St. Martin's.
13. Kueck, Gert W., & Khatri, Sridhar K. Khatri (Eds.). (2003). *Terrorism in South Asia: Impact on Development and Democratic Process*. (2003). India: Shipra Publications.
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16. Cyberterrorism: The Use of the Internet for Terrorist Purposes. (2007). United Kingdom: Council of Europe Publishing.
17. Taylor, R. W., and Swanson, C. R. (2016). Terrorism, Intelligence and Homeland Security. United Kingdom: Pearson.