The Politics of Artificial Intelligence(AI) and Warfare Training Course

Professional Development Training Course Outline

Category	Political Science and International Relations	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The rapid integration of **Artificial Intelligence (AI)** into modern military and defense systems is fundamentally reshaping the global security landscape. From autonomous weapon systems and predictive analytics for strategic decision-making to AI-powered cybersecurity and intelligence gathering, the ethical, legal, and political implications are immense. This comprehensive training course provides a critical examination of this complex intersection, addressing the profound challenges and opportunities that arise when sophisticated AI meets the dynamics of international conflict. We'll delve into the geopolitical race for AI dominance, the ethical frameworks governing its use, and the potential for a new era of "algorithmic warfare."

The Politics of Artificial Intelligence(AI) and Warfare Training Course is designed to equip policymakers, military strategists, defense industry leaders, and academic researchers with the knowledge and analytical tools necessary to navigate this evolving domain. Participants will gain a deep understanding of the technological capabilities of military AI and its strategic consequences, fostering informed policy discussions and responsible governance. By exploring real-world case studies and engaging in critical analysis, the course aims to bridge the gap between technical innovation and political accountability, ensuring that human oversight and ethical considerations remain at the forefront of the future of warfare.

Programme Curriculum

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Course Objectives

By the end of this course, participants will be able to:

1. Analyze the **geopolitical implications** of AI-driven military competition.
2. Assess the **ethical frameworks** and dilemmas of **autonomous weapon systems (AWS)**.
3. Understand the role of **machine learning** and **big data analytics** in intelligence and surveillance.
4. Examine the legal and regulatory challenges of **AI governance** in warfare.
5. Evaluate the impact of **AI-powered cybersecurity** on national security.
6. Critically assess the concept of **algorithmic warfare** and its strategic consequences.
7. Analyze the development and use of **generative AI** in information and narrative warfare.
8. Identify emerging threats and opportunities in **human-machine teaming**.
9. Comprehend the **dual-use nature** of AI technologies and their proliferation risks.
10. Develop policy recommendations for the responsible and transparent deployment of military AI.
11. Explore the future of **military robotics** and **unmanned systems**.
12. Understand the role of **AI-driven logistics** and supply chain management in defense.
13. Discuss the impact of AI on international stability and the risk of an AI arms race.

Organizational Benefits

- Equip leadership with the foresight to anticipate and adapt to the future of warfare, maintaining a **strategic edge**.
- Enable a data-driven approach to policy formulation, ensuring that decisions on military AI are ethically sound and strategically robust.
- Foster a common language and understanding of AI among diverse teams, from technical developers to military commanders, improving cross-functional collaboration.
- Proactively identify and mitigate ethical, legal, and operational risks associated with AI deployment, preventing costly errors and reputational damage.
- Attract and retain top talent by providing advanced training on cutting-edge technologies and their critical applications.

Target Audience

1. Defense & Military Professionals.
2. Policymakers & Government Officials.
3. Intelligence Community Analysts.
4. Defense Industry Executives & Engineers.
5. International Relations & Security Scholars.
6. Journalists & Media Professionals.
7. Cybersecurity Specialists.
8. Ethicists & Legal Scholars

Course Outline

Module 1: Foundations of AI in Warfare

- What is Military AI? A definitional overview of AI, machine learning, and their applications in defense.
- Historical Context: A brief history of automation in warfare and the evolution towards AI.
- The AI Revolution: How AI is a paradigm shift, not just an incremental improvement.
- Core Concepts: Understanding the basics of machine learning, neural networks, and their military applications.
- **Case Study:** The use of AI-driven predictive analytics in modern counter-terrorism operations.

Module 2: The Geopolitics of AI and the Arms Race

- The Global AI Race: Analyzing the strategic competition between major powers (e.g., US, China, Russia).
- AI and Power Projection: How AI capabilities are changing the balance of power.
- Proliferation Risks: The spread of military AI technology to state and non-state actors.
- International Norms: The role of international agreements and treaties in managing AI proliferation.
- **Case Study:** The potential for an AI arms race and its impact on international stability.

Module 3: Autonomous Weapons Systems (AWS) & Ethical Dilemmas

- Defining AWS: Differentiating between human-in-the-loop, human-on-the-loop, and full autonomy.
- Ethical Arguments: Proponents and opponents of lethal autonomous weapons.
- Accountability & Responsibility: Who is responsible when an AI system makes a mistake?
- Legal Frameworks: Examining the application of International Humanitarian Law (IHL) to autonomous systems.
- **Case Study:** The debate over "killer robots" and the UN Group of Governmental Experts on Lethal Autonomous Weapons Systems (GGE on LAWS).

Module 4: AI in Intelligence, Surveillance & Reconnaissance (ISR)

- Big Data Analytics: Using AI to process vast amounts of intelligence data faster than humans.
- AI-Powered Surveillance: The use of facial recognition, drone swarms, and other AI tools for ISR.
- Predictive Intelligence: Leveraging machine learning to forecast geopolitical events and threats.
- The Ethics of Surveillance: Balancing security with privacy and human rights.
- **Case Study:** The use of AI in intelligence gathering during specific conflicts to identify targets and patterns of life.

Module 5: Algorithmic Warfare & Strategic Consequences

- Concept of Algorithmic Warfare: How conflicts will be fought at machine speed, leveraging AI for tactical advantage.

- Human-Machine Teaming: The new relationship between human commanders and AI systems.
- Decision Superiority: Using AI to observe, orient, decide, and act (OODA loop) faster than an adversary.
- Vulnerabilities**:** The risks of AI-to-AI combat and adversarial machine learning.
- **Case Study:** An examination of a hypothetical AI-driven conflict and its potential outcomes.

Module 6: AI-Driven Cybersecurity & Cyber Warfare

- AI for Cyber Defense: Using AI to detect and respond to cyberattacks in real time.
- Offensive AI: The role of AI in sophisticated cyberattacks and digital espionage.
- Protecting Critical Infrastructure: How AI can defend national assets from cyber threats.
- Hybrid Warfare: The integration of AI-powered cyber operations with traditional military tactics.
- **Case Study:** The Stuxnet attack and how future cyber operations could be amplified by AI.

Module 7: The Future of Warfare: Drones, Robotics, & Swarms

- Unmanned Systems: The evolution of drones from remote-controlled to autonomous.
- Military Robotics: Ground, sea, and air robots in modern and future combat.
- Drone Swarms: The strategic implications of coordinated, autonomous groups of drones.
- Challenges of Control: Maintaining human oversight and deconfliction in a swarming environment.
- **Case Study:** The use of AI-enabled drone swarms in simulated and real-world scenarios.

Module 8: Ethical Governance & The Path Forward

- Developing Policy: Creating effective national and international policies for military AI.
- Public Perception: The role of public opinion and civil society in shaping AI policy.
- Transparency & Trust: Ensuring the explainability and reliability of AI systems.
- International Cooperation: The need for global dialogue and collaboration on AI governance.
- **Case Study:** The UN's efforts and the challenges in building a global consensus on the regulation of military AI.

Training Methodology

This course employs a dynamic, multi-faceted training methodology to maximize learning and engagement:

- **Interactive Lectures:** Expert-led sessions provide a foundational understanding of key concepts.
- **Case Studies:** In-depth analysis of historical and contemporary examples of AI in conflict.
- **Simulations & Wargaming:** Hands-on exercises to test strategic decision-making in a simulated AI-driven battlespace.
- **Group Discussions:** Facilitated debates and peer-to-peer learning to explore complex ethical and political dilemmas.
- **Guest Speakers:** Insights from leading figures in military, government, and academia.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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