

Educating Strategic Leaders for Pan-Domain Operations

Connecting domains, disciplines, and institutions

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Next Crisis & Future Challenges

UNMANNED INTRUSION

A platform approaches a naval facility

NAVIGATION DISRUPTION

Positioning data becomes unreliable

CYBER OUTAGE

A government network slows or fails

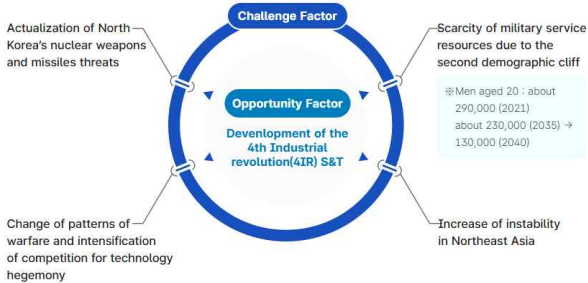
INFORMATION MANIPULATION

Synthetic images spread online

COORDINATION FRICTION

Partners hold different pieces of the picture

In case of the Republic of Korea



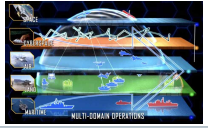
https://mnd.go.kr/mndEN/375/subview.do

Connected Battlespaces Still Need Connected Decisions

FOUR STRATEGIC COMPETENCIES

CROSS-DOMAIN LITERACY

Understand capabilities, limits, dependencies, and vulnerabilities.



STRATEGIC JUDGEMENT

Connect operational effects with policy, law, ethics, and escalation.



COLLABORATIVE INTEGRATION

Align services, agencies, allies, and civilian partners.



ADAPTIVE DECISION-MAKING

Use data and AI critically under uncertainty and deception.



DECISION ADVANTAGE : NOT INFORMATION OVERLOAD

ROK Force Transformation Increases the Demand for Integration

ROK NATIONAL DEFENSE INNOVATION

Force restructuring horizon

- AI-enabled smart force
- Drones & counter-drone systems
- Manned–unmanned teaming
- Space, cyber, and electromagnetic capabilities

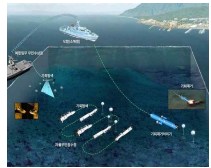


SERVICE INITIATIVES

ARMY TIGER +



NAVY Sea GHOST



AIR FORCE UCAV

MARINE CORPS SMART Marine

DOMAIN CAPABILITIES MUST CONVERGE INTO JOINT EFFECTS.

KNDU Provides the Building Blocks for Integrated Leadership

THREE MUTUALLY REINFORCING LAYERS

STRATEGY AND POLICY

National security
Defence policy
Military strategy
Regional studies
Military history
Crisis management



SCIENCE AND TECHNOLOGY

Nuclear strategy & weapon systems
Space policy, science & law
Cyber, AI & robotics
Drones and M&S
Operations analysis



LEADERSHIP AND MANAGEMENT

Defence planning
Resources & acquisition
Personnel & organizations
Strategic leadership
Decision-making



DAYTIME MASTER'S & DOCTORAL · EVENING MASTER'S · WEEKEND DOCTORAL · NATIONAL SECURITY PROGRAM

Depth in each field. Connections across fields.

Subjects Build Expertise; Integrated Learning Builds Leaders

How KNDU Develops Integrative Judgment.

DEPTH	INTEGRATION	APPLICATION	COMMUNITY
Graduate research and specialized courses	Seminars, capstones, cross-disciplinary dialogue	Expert lectures, field learning, strategic exercises	Military, civilian, specialist, and international perspectives









Interaction across professional perspectives is part of the education.

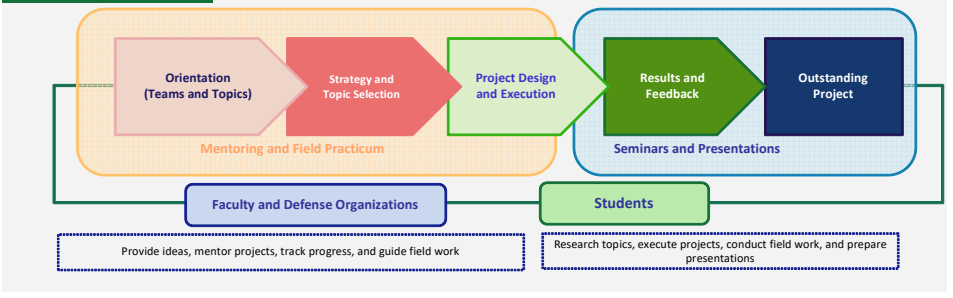
Ex)

Capstone Design for Nuclear Strategy & Technology (Ongoing Course)

GOAL

- Develop professionals who can integrate theory and practice with policy, strategy, and technology to propose innovative solutions to nuclear strategy and policy problems.

15-WEEK COURSE FLOW



Ex)

Expanding Professional Research Presentations & Policy Feedback

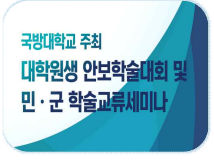
Deterrence Symposium



Graduate Defense Studies Conference

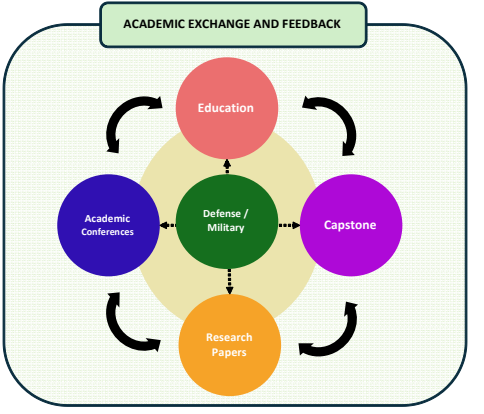


International and Domestic Security Conferences



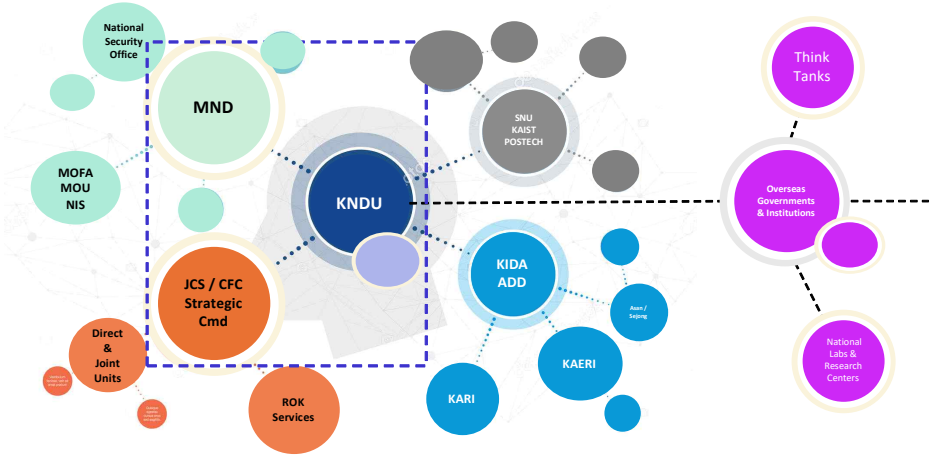
Disaster and Nuclear/WMD Response Conference





Share current research, monitor trends, build networks, and sustain a cycle of mutual feedback

Connections (Military/Goverment-Academy-Research Community)



Conclusion: Practiced Integration for Pan-Domain Leadership

KNDU can turn curriculum breadth into practiced strategic judgment through one evolving mission thread.

SHARED FOUNDATION
Strategy, policy, technology, and leadership

REAL DECISION PRESSURE, MIXED-TEAM PRACTICE
Contested information, civilian dependencies, alliance consultation, and escalation risk

JUDGMENT-BASED ASSESSMENT
Problem framing, trade-offs, communication, and adaptation

ARF EDUCATIONAL EXCHANGE
Unclassified cases, faculty expertise, and assessment methods, adapted to national doctrine and authorities.

Leaders who integrate decisions across domains and institutions under pressure.