



AFE
BABALOLA
UNIVERSITY
ADO-EKITI (ABUAD)

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P.M.B 5454 ADO-EKITI.

Peace and Conflict Studies

*Department of Political Science and International Studies,
College of Social & Management Sciences,*

SECOND SEMESTER, 2018/2019 ACADEMIC SESSION

S Y L L A B U S

PCS 312: MILITARY AND NEW TECHNOLOGY

[2 UNITS; ELECTIVE]

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| <i>Lecture Time:</i> | Tuesdays, 8:00 – 10:00am |
| <i>Lecture Venue:</i> | Rm. A 202 |
| <i>Course Lecturer:</i> | Ariyo S. Aboyade |
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COURSE OVERVIEW

Across all spheres of human endeavour, technology, that is the application of scientific knowledge to practical problems, has revolutionized how things are done with consequential outcomes. The application of technology in military affairs, especially in the art of war has been revolutionary in many respects. However, the continuous technological innovations in the military have elicited some responses from both conservatives and liberals. This course, thus, examines changes over time in the attitude of the military toward new technology and analyses competing explanations, including concepts from Science Studies, for these changes. The course concludes with an analysis of the so-called "Revolution in Military Affairs."

COURSE OBJECTIVE

The course is designed to familiarise students with military art and science, technological innovations, and the impact of new technology on military affairs and the art of war in contemporary times. It will also help students measure the attitude of the military towards technological innovations since the First World War.

EXPECTED LEARNING OUTCOMES

It is expected that at the end of the course students should be able to:

- Understand the attitude of the military to new technology in military affairs
- Discuss the impact of new technology on military affairs
- Understand the “Revolution in Military Affairs”

COURSE DELIVERY/ TEACHING METHOD

The course will be delivered through class lecture method that encourages students participation by way of listening, keeping abreast on topic presentation by course tutor, ask questions and contribute personal comments. Class discussion through seminar presentations will equally be adopted in the presentation of some outlined topics. Overall, the course is expected to be very engaging and participatory.

COURSE REQUIREMENTS AND GRAND RULES

Attendance at lectures is COMPULSORY. Hence, students are expected to attend classes regularly, punctually and to participate in class discussions and activities. Students must be seated at least 5 minutes before lecture commences. Listening and taking note at lectures is imperative to keep abreast on important points raised during lectures and class discussions. Students are encouraged to ask questions and contribute to discussion in class. Aside class attendance, students are expected to read widely on their own so as to be able to participate in robust debates and exchange of ideas during class lectures and seminars. Absence from lecture must be communicated to the course tutor before lectures. Overall, students are expected to have at least 70 percent attendance of classes before they can sit for the examination.

Written Assignments. Written assignments provide students with the opportunity to reflect on subject matters and creatively present their original views, analysis and critical opinions. As an exercise, it measures students’ depth of understanding and perception of issues and affairs. It is, therefore, an important form of assessment in this course. Act of plagiarism¹ will be punished with outright rejection of the assignment. Students are responsible for understanding acceptable standards, policies on academic integrity and proper use of sources. There are no excuses for failure to uphold academic integrity. To support your learning about academic citation rules, please visit the internet for the APA 6th Edition citation format as well as tips to avoid plagiarism.

In the light of the foregoing, students will be expected to write short papers of 4 – 10 pages in length as assignments or term papers. Topics and guidelines for these assignments will be handed out during the course. Note that due dates (deadlines) for submission of written assignments shall be treated as sacrosanct. Not knowing an assignment was given or being overwhelmed with multiple demands is not an acceptable excuse for late submission.

¹ PLAGIARISM is presenting someone's words or ideas as if they were your own, especially by copying verbatim from books or the internet. It is, therefore, the theft of someone else’s ideas and work. It involves the incorporation of facts, ideas or specific language that is not common knowledge, taken from another source, and is not properly cited. Whether a student copies verbatim or simply rephrases the ideas of another without properly acknowledging the source, the theft is the same.

COURSE ASSESSMENT STRUCTURE

Students assessment for this course include Continuous Assessment (CA) totalling 40%, the breakdown of which is indicated in the table below, and an End of Semester Examination totalling 60%, to make a sum total of 100% for each participating student.

| | | Score (%) |
|---|--|------------|
| 1 | Mid-Semester Test | 10 |
| 2 | Assignment / Group Work / Seminar | 20 |
| 3 | Lecture Attendance + Participation in/contribution to Class discussion | 10 |
| 4 | End of Semester Examination | 60 |
| | TOTAL | 100 |

COURSE OUTLINE

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|----------------|---|
| Week 1 | Military and New Technology: A General Introduction |
| Week 2 | The Military and Evolution of Military Technology |
| Week 3 | Technology and the Military: War in a Technological Age |
| Week 4 | Attitude of the Military towards New Technology: World War I |
| Week 5 | Military and New Technology since World War I: Perceptions and Attitude |
| Week 6 | <i>Mid-Semester Test</i> |
| Week 7 | Arm Race and Military Technology of the Cold War Era |
| Week 8 | Military and the Post-Cold War Industrialization of Warfare |
| Week 9 | Military and Unmanned Machines |
| Week 10 | Revolution in Military Affairs (RMA) I |
| Week 11 | Revolution in Military Affairs (RMA) II |
| Week 12 | <i>Case Studies</i> |
| Week 13 | <i>Revision</i> |

SUGGESTED READINGS

- Ellis, John. 1986. *The Social History of the Machine Gun*. Johns Hopkins University Press
- Friedman, George and Meredith. 1996. *The Future of War, Power, Technology and American World Dominance in the 21st Century*. New York: Crown Publishers.
- Jensen, Geoffrey and Wiest, Andrew. eds. 2001. *War in the Age of Technology: Myriad Faces of Modern Armed Conflict*. New York: New York University Press.
- Lee, Tae-Woo. 2009. *Military Technologies of the World*. Westport, Connecticut: Praeger Security International.

- Mahnken, Tomas G. 2008. *Technology and the American Way of War*. New York: Columbia University Press.
- Morillo, Stephen, Black, Jeremy and Lococo, Paul. 2009. *War in World History: Society, Technology and War from Ancient Times to the Present*. Volume 2, since 1500. New York: McGraw-Hill.
- Rosen, Stephen Peter. 1994. *Winning the Next War*. Cornell University Press.
- Spencer C. Tucker. 2015. *Instruments of War: Weapons and Technologies That Have Changed History*. Santa Barbara, California: ABC-CLIO, LLC.