

Science, Technology and Media in the History of Global Terrorism

MEC-E9999 History of technology course with varying content (3-6 ECTS)

Spring 2017/18

Responsible lecturer: Mats Fridlund

Time & Place: Tuesdays 13-16pm

Course Type: BSc/MSc, PhD students

Language of instruction: English

Scope & form: Lectures, seminars & project work

Evaluation: Attendance, evaluation of exercises/reports

Participants restrictions: Max 20

Level of the Course	Candidate, M.Sc-studies and PhD students
Teacher in charge	Assoc. prof. Mats Fridlund
Teaching Period	III (Spring)
Workload	5 cr. -= 133 h Lectures and seminars 21 h Independent studies 48 h Project work 64 h
Learning Outcomes	After the course a student will have knowledge of the ways science, technology and media interacts with terrorism and political security threats and be able to recognize, be able to critically describe, differentiate and evaluate various kinds of terrorism and its dependencies and connections to scientific, technological and media developments as well as critically discuss and describe likely scenarios and outcomes of potential terrorist threats on future developments within science, technology and media. The aim is to provide a deeper understanding of the impact of science, technology and media on how society cope with various forms of terrorism.
Content	Overview of the interaction between science, technology and media and the developments of political terrorism and national security issues from the late 1700s until 1914; definitions of various forms of terrorisms and political security threats and what differentiates them from other forms of political violence; in what ways science, technology and media have been utilized by governments and public institutions to mitigate terrorisms as well as been appropriated by terrorist organizations for violent purposes; role of mass-media in shaping public and private understandings of threats of terrorism and political security issues.
Assessment Methods and Criteria	Seminar attendance, written assignments and project presentations.
Study Material	Material to be announced separately.
Course Homepage	
Prerequisites	None
Grading Scale	0-5.
Registration for Courses	WebOodi
Language of Instruction	English
Further Information	Available for the next time in Fall 2018

CONTENT: At least since the first Guillotine was developed for the French Revolution's Reign of Terror new developments in science and technology have been important in shaping regime and revolutionary terrorism. In this course we will explore how development within science, technology and media have shaped terror as a historical phenomena.

The course covers what role science, technology and media played in the origin and globalization of modern terrorism in the 19th century and early 1900s. It discusses how terrorism is to be understood and defined and the first wave of modern terrorism which is then followed by seminars focused on various theoretical and historical aspects of technopolitics of transnational terrorism up until 1914; role of arms and explosives; role of engineers, scientists and doctors; mass press and clandestine printing; technologies used by militant socialist revolutionaries and Finnish nationalists; technologies of control and repression used by states and police; media and fictional depictions of terrorism; scientific ideologies and mentalities; infrasystems and radicalizations and political terrorism; international spread of terrorism during the age of early globalization.

AIM / OBJECTIVES: After the course a student will have knowledge of a particular subject area within history of technology and industrialization and be able to recognize, critically describe, differentiate and evaluate historical examples of industrial and technological change and its dependencies and connections to societal developments. The aim is to provide a deeper understanding of past, present and future sources and impact of industrial and technological change.

The aim of the course when it is given during Spring 2018 is to give the student knowledge and understanding of the ways that developments in science, technology, media and terrorism interacts. Through work on the historical development of terrorism the role science, technology and media have played in its development 1866-1914 will be analyzed giving the student a greater historical understanding and critical appreciation of the history of science and technology and of terrorism as a historical and contemporary phenomenon. After the course a student will have knowledge of the ways science, technology and media interacts with terrorism and political security threats and be able to recognize, be able to critically describe and differentiate various kinds of terrorism and security threats and its dependencies and connections to scientific, technological and media developments. The aim is to provide a deeper understanding of the past, present and future impact of science, technology and media on how society has coped with various forms of terrorism.

TEACHING METHOD: One 180 min lecture/discussion session per week.

COURSE LITERATURE: To be announced separately

EVALUATION:

The student's final grade (0-5) will be based on the following points system:

3 ECTS-course	5 ECTS-course	Grade
0-450 points	0-750 points	0
451-500 points	751-899 points	1
501-700 points	900-1099 points	2
701-900 points	1100-1500 points	3
901-1099 points	1501-1699 points	4
1100-1900 points	1700-1900 points	5

Seminars 200-1000 points (one attended seminar + one handed-in question set=200 points)

Oral presentation 50 or 200 points for each presentation (Max 400)

Poster 50 or 300 or 500 points (the presentation can only raise the preliminary essay points)

Those students that want to take the course for 6 ECTS need to do write an extra essay of about 3.000±20% words.

Seminar participation to facilitate active class participation the students are before each class required to submit three critical and analytical questions on the readings assigned for that class. Each question has to be on a different reading and in total 9 sets of questions has to be submitted.

The objectives of the questions are

- (a) to demonstrate that you have done the readings, and
- (b) to give input for the discussions in class.

Questions must be posted in the Discussion Board on the course moodle page on Mondays before 3pm (24 hours before the class meets).

Active participation means coming to class well prepared and ready to discuss the readings in a critical way. Interpretive questions and class participation will be graded with a check mark for each class meeting, to indicate that the requirement was met.

Each seminar and question set is awarded 100 points with a maximum of 1000 points if you attend all seminars.

If you miss a seminar but want to receive the points for it you can submit a compensation assignment afterwards.

Presentations. The first oral presentation should be on a terrorist event within the time period covered by the course and it needs to be pre-approved by the responsible course teacher. Possible topics and instructions will be handed out in the second class. The presentation should be in English and be in the form of a pecha kucha 20x20 that takes 6 min and 40 seconds

The second oral presentation shall describe media coverage of a terrorist event using various news media 1878-1914 such as digitized newspapers in Swedish and Finnish available on Digi – Finland national archive's digital collection digi.kansalliskirjasto.fi or in English on nytimes.com or other international news sites. More detailed instructions will be handed out in the third class. The presentation should be in English and be max 10 min.

Presentations that are unprepared or that do not follow the instructions will be given 50 points.

All presentations that follow the instructions and are reasonably well prepared and presented will be given 200 points.

Final poster. The final poster should be on a terrorist event within the time period covered by the course – preferably the same as the oral presentation - and it needs to be pre-approved by the responsible course teacher. Possible topics and instructions will be handed out in class. The paper should be 1.500±20% words in English, Swedish or Finnish and has to be submitted on the moodle course page before 10am on Friday February 9.

Posters that are handed in late or that do not follow the instructions will be given 50 points.

After the poster is submitted the course teacher will give it a preliminary point of 50 or 300 or 500 point which will be adjusted based on the presentation so that a low point or late poster can be raised with 100 points by a good presentation but a high point can not be lowered by a bad presentation.

TOPICS FOR FIRST PRESENTATION

The first oral presentation should be on a terrorist event within the time period covered by the course hoses from a list handed out in class. The presentation should be in English and be in the form of a Pecha kucha 20x20 (6 min 40 seconds) presentation and answer the questions **Who, What, Why, When, Where & How**. It do not have to give any sources.

Presentations that are unprepared or that do not follow the instructions will be given 50 points. All presentations that follow the instructions and are reasonably well prepared and presented will be given 200 points.

1. 1878 Assassination attempt against Kaiser Vilhelm in Berlin
2. 1878 Assassination attempt against king Umberto in Naples
3. 1878 assassination of General Mezentsov in St Petersburg
4. 1879 assassination attempt against Alexander II by Solovjev
5. 1882 Assassination of Henry Cavendish in Dublin
6. 1883 bombing of Scotland Yard in London
7. 1885 bombing of the Parliament in London
8. 1892 Assassination attempt against Henry Frick in Pittsburgh
9. 1894 Assassination of President Carnot in Paris
10. 1894 bombing of Café Terminus in Paris
11. 1894 Greenwich-bombing in London
12. 1896 occupation of the Ottoman bank in Constantinople
13. 1897 assassination of Spanish Prime Minister Antonio Cánovas del Castillo in Mondragon
14. 1898 Assassination of Empress Elisabeth in Geneva
15. 1905 Assassination of Finnish Procurator Soisalon-Soininen in Helsinki
16. 1905 Bombing attempt of 5 Qing government commissioners by Wu Xue in Beijing
17. 1905 Assassination attempt against Governor adjoint Deutrich in Helsinki
18. 1906 bombing of Stolypin in Russia
19. 1907 assassination of provincial governor En Ming by Xu Xilin in Anhui Province in China
20. 1908 Amalthea-bombing in Malmö
21. 1912 Assassination of José Canaleja in Spain
- ~~22. 1914 Assassination of Archduke Franz Ferdinand in Sarajevo – TAKEN~~

SCHEDULE

<i>Date</i>	<i>Week</i>	<i>Class</i>
Tue 2 jan	1	LEK1: What is terrorism? Four waves of modern terrorism Bullets: Modernization, revolvers & the first terrorists, 1866-1878
	2	SEM1: Bullets LECT2: Bombs: Second Industrial Revolution, dynamite & first terrorist groups, 1879-82
Tue 16 jan	3	SEM2: Bombs LECT3: Broadships: Early Globalization, secret press & terrorism's internationalization <u>PRES1: A terrorist act</u>
Tue 23 mars	4	SEM3: Broadships LECT4: Books: Education, engineering & expertise of terrorists <u>PRES2: Media history of a terrorist act</u>
Tue 30 mars	5	SEM4: Books LECT5: Broadening: Importing Russian Terrorism to Finland, 1898-1906 Optional guided city tour of Helsinki
Tue 6 feb	6	SEM5: Broadening LECT6: Beyond: Impact and legacy of the first wave of terrorism
Fr 9 feb		<i>Poster to be sent in before 10am</i>
Fr 9 feb		<i>Notification about preliminary poster grade by 5pm</i>
Tue 13 feb	7	<u>Poster presentation & conclusion</u>

CLASS SCHEDULE WITH READINGS

Week 1: 2.1 **Introduction**: What is terrorism? Four waves of modern terrorism

No required readings but suggested background readings

- 0.1 Leonard Weinberg, Ami Pedahzur & Sivan Hirsch-Hoefler, "The Challenges of Conceptualizing Terrorism", *Terrorism and Political Violence*, 16:4 (2004), 777-94.
- 0.2 David C. Rapoport, "The Four Waves of Modern Terrorism", in: *Attacking Terrorism: Elements of a Grand Strategy*, Audrey Kurth Cronin & James M. Ludes, eds. (Georgetown University Press, 2004), 46-73.
- 0.3 David Rapoport, "Before the Bombs There Were the Mobs: American Experiences with Terror", *Terrorism and Political Violence* 20 (2008), 167-94.

Week 2: 9.1 **Bullets**: Modernization, revolvers & the first terrorists, 1866-1878

- 1.1 Claudia Verhoeven, "The Making of Russian Revolutionary Terrorism", in Isaac Land, ed., *Enemies of Humanity: The Nineteenth-Century War on Terrorism*, (New York: Palgrave Macmillan), 99-116.
- 1.2 Mats Fridlund, "Affording terrorism: Idealists and materialities in the emergence of modern terrorism," in: Max Taylor & P.M. Currie, eds., *Terrorism and Affordance* (London & New York: Continuum, 2012), 73-92.

CHOOSE ONE OF THE TWO TO READ:

- 1.3a Arthur Macdonald, "Assassins of Rulers", *Journal of the American Institute of Criminal Law and Criminology* 2 (1911), 505-520.
- 1.3b Nikolai Morozov, "The Terroristic Struggle" [1880], in: Feliks Gross, *Violence in Politics: Terror and Political Assassination in Eastern Europe and Russia* (Hague: Mouton, 1973), 102-112.

Week 3: 16.1 **Bombs:** The Second Industrial Revolution, dynamite & the first terrorist group, 1879-82

- 2.1 Lindsay Clutterbuck, "The Progenitors of Terrorism: Russian Revolutionaries or Extreme Irish Republicans?" *Terrorism and Political Violence* 16 (2004), 154-81.
- 2.2 Christopher Pinney, "The Body and the Bomb: Technologies of Modernity in Colonial India", in Richard H. Davis, ed., *Picturing the Nation: Iconographies of Modern India* (New Delhi: Orient Longman, 2007), 51-65.

CHOOSE ONE OF THE TWO TO READ:

- 2.3a "Illinois vs. August Spies et al. trial transcript no. 1 Illinois Supreme Court: writ of error decision, 1887 Sept. 14.," *Haymarket Affair Digital Collection*, Chicago Historical Society, <http://www.chicagohs.org/hadc/transcript/supreme/000-050/S001-220.htm>, 47 pp.
- 2.3b Leon Fink, "Editors Introduction"; Lara Kelland, "Putting Haymarket to Rest?"; Timothy Messer-Kruse, James O. Eckert Jr., Pannee Burckel, & Jeffrey Dunn, "The Haymarket Bomb: Reassessing the Evidence", *Labor: Studies in Working-Class History of the Americas* 2:2 (2005), 1-3, 31-38, 39-51; Bryan D. Palmer, "CSI Labor History: Haymarket and the Forensics of Forgetting"; Timothy Messer-Kruse, "Reply to Bryan D. Palmer", *Labor* 3:1 (2006), 25-40.

Research methodology I: How to think like a historical researcher (Saara Matala)
Presentations (pecha kucha) of first assignment

Week 4: 23.1 **Broadsides:** Early Globalization, secret press & terrorism's internationalization

- 3.1 Richard Bach Jensen, "Conspiracies, panics, *agents provocateurs*, mass journalism, and globalization" in: idem, *The Battle against Anarchist Terrorism: An International History, 1878-1934* (Cambridge: Cambridge University Press, 2014), 37-61.
- 3.2 Alfred Erich Senn, "Propaganda by the Deed" & "Counterattack", in idem, *The Russian Émigré Press: From Herzen's Kolokol to Lenin's Iskra* (Kaunas: Vytauto Didžiojo universitetas, 2008), 68-78.

CHOOSE ONE OF THE TWO TO READ:

- 3.3a P. Lavroff, "Preface"; Stepniak, "The Secret Press", in Stepniak, *Underground Russia: Revolutionary Profiles and Sketches from Life*, 2nd ed. (New York: Charles Scribner's Sons, 1892), iv-xii, 185-195; V.I. Lenin, "From the History of the workers' press in Russia" (1914), from idem, *Collected Works*, 4th Engl. ed. (Moscow: Progress Publishers, 1964), 245-53.
- 3.3b Nathaniel Hong, "Constructing the Anarchist Beast in American Periodical Literature, 1880-1903", *Critical Studies in Mass Communication* 9 (1992), 110-130.
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Week 5: 30.1 **Books:** Education, engineering & expertise of terrorists

- 4.1 Philip Pomper, "Aleksandr Ul'ianov: Darwinian Terrorist", *Russian History/Histoire Russe* 35 (2008), 139-156.
- 4.2 Niall Whelehan, "Science and skirmishing", in idem, *The Dynamiters: Irish Nationalism and Political Violence in the Wider World, 1867-1900* (Cambridge: Cambridge University Press, 2012), 138-175.

CHOOSE ONE OF THE TWO TO READ:

- 4.3a Ann Hibner Koblitz, "The Generation of the 1860s – Overview", in idem, *Science, Women and Revolution in Russia* (Amsterdam: Harwood Academic Publishers, 2000), 1-35.
- 4.3b Johan Most, *The Science of Revolutionary Warfare* (El Dorado: Desert Publications, 1978), 1-19; Ann Larabee, "A Brief History of Terrorism in the United States", *Knowledge, Technology & Policy* 16 (2003), 21-38.
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Week 6: 6.2 **Broadening:** Importing Russian Terrorism to Finland, 1898-1906

- 5.1 Richard Bach Jensen, "The Assassination of Governor General Bobrikov in the Context of the Era of Anarchist terrorism", Paper presented at the Conference "From Schauman to Breivik: Terrorism and Political Violence in the Nordic Countries", 16-17 June 2014, 21 pp.
- 5.2 Antti Kujala, "Finnish Radicals and the Russian Revolutionary Movement, 1899-1907" (1992), *Revolutionary Russia* 5 (1992), 172-192.

CHOOSE ONE OF THE TWO TO READ:

- 5.3a Michael Futrell, "The Red Base" & "The Voyage of the *John Grafton*", in: idem, *Northern Underground: Episodes of Russian Revolutionary Transport and Communications through Scandinavia and Finland 1863-1917* (New York: Praeger, 1963), 51-84.
- 5.3b Konni Zilliacus, "Preface" & "The Revolutionary Movement under Alexander III", in: idem, *The Russian Revolutionary Movement* (London, 1905), v-viii, 214-243.

Week 7: 13.2 **Beyond**: Impact and legacy of the first wave of terrorism

No required readings but suggested background readings

Richard Bach Jensen, "The decline of anarchist terrorism, 1900-1930" in: idem, *The Battle against Anarchist Terrorism: An International History, 1878-1934* (Cambridge: Cambridge University Press, 2014), 341-65.

Claudia Verhoeven, "Epilogue: Lenin's Rewriting of Terrorism as Partisan War", in: idem, *April 4, 1866: The Karakozov Case and the Making of Revolutionary Terrorism*, Diss. (University of California, Los Angeles, 2004), 364-73.

Benedict Anderson, "Jupiter Hill: José Rizal: Paris, Havana, Barcelona, Berlin—3", *New Left Review*, 29 (Sept-Oct 2004), 91-120.

Hu Ying, "From Sophia to Su Feiya", in: idem, *Tales of Translation: Composing the New Woman in China, 1899-1918* (Stanford: Stanford University Press, 2000), 106-152.

Wednesday 25.11 *Poster due submitted on moodle before 4:00pm*

Friday 27.11 at 1pm: *Preliminary grade on poster handed out*

Week 49: 1.12 Poster presentations & Conclusion
