

AI/JWT Group Project (200 points)

AI/JWT Group Poster (100 points)

**Prompt:** The year is 2023. Russia and China have been developing, testing, and certifying LAWs for over a decade. Last week, Russia violated Syria's territorial integrity and political sovereignty by invading and occupying Syria. After Russia invaded Syria, they toppled and overthrew the democratically-elected coalition government of Syria, and reinstated Bashar al-Assad as President of Syria. The UN, the USA, Great Britain, and all European countries denounced Russia's actions. Only China, North Korea, and Iran supported Russia. The UN Security Council voted and agreed that Russia was an aggressor nation and the UN demanded that Bashar al-Assad step down and Russia withdraw or face coalition forces coming to the aid of Syria. Russia stated that they had the right to help maintain Bashar al-Assad's rightful position as President and that they not only would not withdraw but would protect Syria's border against any UN coalition forces. National level intelligence showed that as of yesterday, Russia had deployed a variety of its LAWs at strategic locations around Syria's borders.

As a BDE Commander that has tested your assigned (see group assignments below) LAWs/NLWs and have been certified on them, you have been asked by your Division Commander, MG Parsons to brief the National Security Council, the Chairman of the Joint Chiefs of Staff (GEN Joseph Dunford), the Secretary of Defense (Patrick Shanahan), and the Commander-in-Chief, Donald J. Trump, on your LAWs capabilities. MG Parsons and Dr. Barry has also asked you to discuss **BOTH** how it *would* **and** how it *would not* violate any of the rules of *jus in bello*, with particular attention to Discrimination and Non-Combatant Immunity, Proportionality, Prohibited Weapons, and Means *mala in se*. MG Parsons and Dr. Barry also asks you to explain to the group what humans in the loop, on the loop, and out of the loop means, and to state your case on which human interaction/in action be used with your assigned LAW.

Your brief to the senior leaders will be in PowerPoint format and you will be briefing via Video Teleconference (VTC) so you will want to make sure that your voices can be heard while the PowerPoint presentation is on the screen.

**Administrative Requirements for the AI/JWT Group Project:**

**Due 2359 on Saturday, 6 APR**

1. Use PowerPoint to create your Group Project.
2. There are no minimum or maximum number of slides for the Group Project. Just make sure that you are able to address all parts of the prompt.
3. Style and creativity will be part of the rubric when I grade your Group Project.

4. You must narrate your group project by recording your voice. On how to do this, see the following two links: <https://www.dummies.com/software/microsoft-office/powerpoint/how-to-record-voice-narration-for-your-powerpoint-2016-presentation/> OR <http://www.fctl.ucf.edu/teachingandlearningresources/technology/powerpointaudio/index.php>
5. Each group member must equally share in the narration. For instance, if your group has four people and your presentation is eight minutes long, each member must narrate roughly two minutes each. This is a rough estimate. It will not likely be exactly split evenly, but it needs to be close.
6. You need to have at least one image per slide. It needs to be related in some way to what you are talking about.
7. Your final, or penultimate slide if you have a "Questions?" slide, needs to be a Works Cited Slide with the books (i.e. Orend) and websites where you found your sources. You will need to include Orend or Walzer as a citation when discussing anything related specifically to Just War Theory or the six rules of *Jus in Bello*.
8. There are no prohibitions on sources (i.e. Wikipedia is okay) for this assignment only, (but you should have several more sources other than Wikipedia).
9. Your Introduction Slide needs to have a title, Group #, and Group Members names.
10. Audience: The audience is not me (MAJ Scott Parsons). The esteemed group of people mentioned above who make up your audience are unfamiliar with Just War Theory, Artificial Intelligence, or LAWs but are reasonable and educated. They will not likely know all the terms you will use such as the rules of *jus in bello*, the LAW you are certified on, or the ethics of Artificial Intelligence. Thus, you must explain these terms when appropriate. I.e. You need to define what the different applicable *jus in bello* rules state, you need to explain the difference between human in the loop, on the loop, or out of the loop, and what it means to be fully autonomous, etc.
11. Your Group Assigned AI is Google-able.

### **Submission Instructions:**

1. Submit your file electronically to your professor. If it is too large to email, save it to Google Docs, or some equivalent and email me the link. If you email me a link, you must still email the link on time. **This option is only acceptable if the file is too large.** I would much rather grade it on my computer.
2. One team member should email me the Group Presentation (as well as the poster the next day) and cc each team member.
3. Your file name & email subject line should read: **Hour and Group # (i.e. I2 Group 3).**
4. **Lateness will be penalized** according to the Department Policy in the syllabus. A paper is late if it is turned in at any time after the specified due date and time. **Late submissions will be penalized by an immediate 10% reduction in the overall grade, and an additional 10% reduction for every day that the project is late.** All

significant graded events must be turned in to pass the course. All late assignments result in the submission of a COR.

### **Group LAW Assignment:**

You must assume for the sake of your group project that each AI assigned to the four groups is completely autonomous. Each of the four groups is assigned a different LAW/NLW to be used by your BDE against Russia.

**Group 1:** *FEDOR – Russian Humanoid Robot*. Technically, FEDOR is a Russian weapon, but for your group, name it something different, but your FEDOR-type AI (think RoboCop) has the same/similar capabilities as FEDOR. You will be using this against Russia in your Group Project. **Be creative with the name.**

**Group 2:** *Swarm technology using 100's of mini drones/micro-drones* (that not only gather intelligence but are used to drive people insane, as well as, assassinate them with 3 grams of shaped explosives like on the “slaughter-bots” video you saw the first day we were in the Robotics Research Center). **Be creative with the name.**

**Group 3:** *A Reaper/Predator type Unmanned Aerial System (UAS)* that is autonomous and carries hellfire missiles, 5.56 ammunition, and has the capabilities to carry and deliver (very small) nuclear weapons, chemical weapons, and biological agents. **Be creative with the name.**

**Group 4:** *Face-shooter styled weapons, SGR-A1-styled LAW, or a sentry gun* (a sentry gun is a weapon that is automatically aimed and fired at targets that are detected by sensors). **Be creative with the name.**

### **Administrative Requirements for the AI/JWT Group Poster:**

**Due 2359 on Sunday, 7 APR**

MG Parsons/Dr. Barry have also asked you to create a single poster of your LAW with the key information on it so that it can be posted around the Pentagon and be shared with UN Member Nations.

1. Take your PowerPoint Group Project and narrow it down to [\*u single slide\*](#).
2. This single slide is your “*so what*” at a glance. It is your BLUF.
3. What are the key/crucial elements?
4. You should **NOT** add narration to this poster (slide) like you did for your Group Project.
5. Your single slide should have each group members name.
6. Save the PowerPoint Slide of your poster and the subject line of your email in the same way you did your Group Project.