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**Course**: INFO-I 400/590 *Hacking For Defense (H4D):*

Solving National Security Issues with the Lean Launchpad

**Instructors**: Isak Nti Asare, Esfandiar Haghverdi, Scott Shackelford

**AI’s**: [ TBD ]

**Location:** WEB Synchronous

**Days:** Tuesday **Times:** 6-7:30 pm

**Office Hours**: Group Meetings, TBA.

**Webpage**: [ TBA ]

**Texts:** *Business Model Generation:* Osterwalder, et al **[BMG]**

*Value Proposition Design:* Osterwalder, et al **[VPC]**

*Startup Owner’s Manual:* Blank & Dorf **[SOM]**

**Lectures**: Canvas Course Page

**Prerequisite**: Diligence and hard work.

 **Goal:** Hands­on experience in understanding, and working with the Department of Defense (DoD) and Intelligence Community (IC) on actual current problems.

**Notes:**

1. All teams must be formed after the first class (Tuesday 01/19/21, 6-7:30 pm)

2. Teams need to submit their rankings for projects by Friday 01/22/21.

3. In the schedule below, green colored text shows topics that will be presented by the instructors and black colored text shows topics that will be presented by the teams.

**H4D Course Summary and Schedule**

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| * + - * 1. **Date**
 | **Team/Instructor Presentation** | **Lecture Topic** |
|  **01/19/21** | Team Formation+ Introduction + Problems | Classroom Expectations |
| * 1. **01/26/21**
 | Problem assignment | DoD 101 + Problem sponsors |
| * 1. **02/02/21**
 | Mission Model Canvas | Beneficiary discovery + Interviews |
| **02/09/21** | Mission Model Canvas | Understanding the problem statement |
| **02/16/21** | Beneficiaries | Value Proposition  |
| **02/23/21** | Value Proposition  | Product/Mission Fit |
| **03/02/21** | * + - * 1. Product/Mission Fit
 | *Mi* Dual Use |
| **03/09/21** | * + - * 1. Dual Use
 | Mission Achievement  |
| **03/16/21** | * + - * 1. Mission Achievement
 | Buy-in & Support |
| **03/23/21** | Buy­in & Support  | Deployment |
| **03/30/21** | * + - * 1. Deployment
 | Activities, Resources, + Key Partners |
| **04/06/21** | Activities, Resources, + Key partners  | Mission Budget + Operating Plan |
| **04/13/21** | Mission Budget + Operating Plan  | Reflections  |
| **04/20/21** | **Lessons Learned**  | Presentation Tips & Best Practices |
| **04/27/21** | **Lessons Learned:****Final Presentations** | Final Lessons Learned Presentation |

**Grading Criteria**

This course is team­based and 60% of your grade will come from your team progress and final project. Your peers will also grade your contribution to your team. Grading criteria are broken down as follows:

15% Individual participation in class. You will be giving feedback to your peers.

30% Progress as measured by presentations *each week.* Each week, team members must complete required number of interviews and update the Mission Model Canvas.

25% Team weekly “lesson learned” update presentation (see weekly schedule for required content and format)

30% Team final presentation (see Weeks 14 and 15 for format)

This total score is multiplied by a “peer grading multiplier” as assigned to you by your team at the end of the quarter.

**First Class**

Teams are expected to hit the ground running. We will

1. Go through the entire syllabus
2. Work on forming the teams
3. Go over problem statements to help you choose the problem statements you would be interested in working on.