

**5th JEDI Academy Agenda**  
 November 16 - 20, 2020  
 Attendance Virtually via Zoom

**Monday**

November 16, 2020

Time	Activity	Presenter / Moderator
8:40 - 8:55 am	Introduction to Academy + Logistics	Yannick, Kat
8:55 - 9:00 am	Overview of Topic Theme: JEDI Structure	Yannick
9:00 - 9:30 am	Lecture: Why OOPS/JEDI?	Yannick
9:30 - 9:40 am	10 min Q/A	
9:40 - 10:10 am	Lecture: Building and Running JEDI	Mark
10:10 - 10:20 am	10 min Q/A	
10:20 - 10:30 am	Break	
10:30 am - 12:00 pm	Practical: Getting Started	Mark
12:00 - 1:00 pm	Lunch Break	
1:00 - 1:30 pm	Lecture: OO Programming	Yannick
1:30 - 1:40 pm	10 min Q/A	
1:40 - 2:10 pm	Lecture: OOPS Structure, Data Flow	Anna
2:10 - 2:20 pm	10 min Q/A	
2:20 - 2:30 pm	Break	
2:30 - 4:00 pm	Practical: Running JEDI (H(x), 3denvar, 4denvar)	Mark
4:00 - 4:15 pm	Day Debrief	Yannick

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**Tuesday**  
 November 17, 2020

<b>Time</b>	<b>Activity</b>	<b>Presenter / Moderator</b>
8:55 - 9:00 am	Overview of Topic Theme: Observations	Yannick
9:00 - 9:30 am	Lecture: OOPS Observation Space	Anna
9:30 - 9:40 am	10 min Q/A	
9:40 - 10:10 am	Lecture: Configurations	Steve
10:10 - 10:20 am	10 min Q/A	
10:20 - 10:30 am	Break	
10:30 am - 12:00 pm	Practical: More running JEDI	Dan
12:00 - 1:00 pm	Lunch Break	
1:00 - 1:30 pm	Lecture: Observation Operators (UFO) and QC	Ryan
1:30 - 1:40 pm	10 min Q/A	
1:40 - 2:10 pm	Lecture: IODA and Interface	Steve
2:10 - 2:20 pm	10 min Q/A	
2:20 - 2:30 pm	Break	
2:30 - 4:00 pm	Practical: Add Observations	Steve
4:00 - 4:15 pm	Day Debrief	Yannick

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**Wednesday**  
November 18, 2020

<b>Time</b>	<b>Activity</b>	<b>Presenter / Moderator</b>
8:55 - 9:00 am	Overview of Topic Theme: Model Space	Yannick
9:00 - 9:30 am	Lecture: BUMP Science	Benjamin
9:30 - 9:40 am	10 min Q/A	
9:40 - 10:10 am	Lecture: JEDI C++	Ryan
10:10 - 10:20 am	10 min Q/A	
10:20 - 10:30 am	Break	
10:30 am - 12:00 pm	Practical: Modify, add QC	Ryan
12:00 - 1:00 pm	Lunch Break	
1:00 - 1:30 pm	Lecture: OOPS Model Space	Dan
1:30 - 1:40 pm	10 min Q/A	
1:40 - 2:10 pm	Lecture: Model Interfaces, getValues	Dan
2:10 - 2:20 pm	10 min Q/A	
2:20 - 2:30 pm	Break	
2:30 - 4:00 pm	Practical: 3D-FGAT, 4D-Var	Dan
4:00 - 4:15 pm	Day Debrief	Yannick

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**Thursday**  
November 19, 2020

Time	Activity	Presenter / Moderator
8:55 - 9:00 am	Overview of Topic Theme: Science/Testing	Yannick
9:00 - 9:30 am	Lecture: BUMP Usage	Benjamin
9:30 - 9:40 am	10 min Q/A	
9:40 - 10:10 am	Lecture: More C++	Ryan
10:10 - 10:20 am	10 min Q/A	
10:20 - 10:30 am	Break	
10:30 am - 12:00 pm	Practical: Advanced (Model or Observations)	Dan + TBD
12:00 - 1:00 pm	Lunch Break	
1:00 - 1:30 pm	Lecture: DA Algorithms	Yannick
1:30 - 1:40 pm	10 min Q/A	
1:40 - 2:10 pm	Lecture: Unit Testing, Writing Tests	Maryam
2:10 - 2:20 pm	10 min Q/A	
2:20 - 2:30 pm	Break	
2:30 - 4:00 pm	Practical: Add Test	Maryam
4:00 - 4:15 pm	Day Debrief	Yannick

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**Friday**

November 20, 2020

<b>Time</b>	<b>Activity</b>	<b>Presenter / Moderator</b>
8:55 - 9:00 am	Overview of Topic Theme: How to Contribute	Yannick
9:00 - 9:30 am	Lecture: Git-Flow, PR and Code Reviews	Mark
9:30 - 9:40 am	10 min Q/A	
9:40 - 10:40 am	Practical: PR and code review	Mark
10:40 - 10:50 am	Break	
10:50 am - 12:20 pm	Debrief, Feedback	Yannick