

2015 Green Bank Undergraduate Radio Astronomy Summer School

Monday June 08 Jy Auditorium

07:30-08:30 Breakfast
08:45-09:00 Welcome to Green Bank and the Quiet Zone -- O'Neil
09:00-10:00 Introduction to Radio Astronomy -- Lockman
10:00-10:45 Radio Telescope Fundamentals -- Ghigo
10:45-11:00 Coffee Break
11:00-12:00 Radiation Fundamentals -- Kobelski
12:00-12:15 Science Talk -- Kobelski: The Sun
12:15-13:15 Lunch
13:30-14:30 Radio Instrumentation -- Prestage
14:30-15:30 Tracing the Signal -- Maddalena
15:30-15:45 Coffee Break
15:45-16:30 40ft Training Groups 1,3,5 -- Williamson (at 40ft)
16:45-17:30 20m Training Groups 1,3,5 -- Ghigo (in Library)
15:45-16:30 20m Training Groups 2,4,6 -- Ghigo (in Library)
16:45-17:30 40ft Training Groups 2,4,6 -- Heatherly
17:30-18:30 Dinner
18:30-00:00 40ft Observing

Tuesday June 09 Science Center Classrooms

07:30-08:30 Breakfast
08:30-10:45 GBT Tour -- Bonsall, Lynch, Heatherly, Frayer, Kobelski (bus by cafeteria)
11:00-11:35 Electronics Lab Tour Groups 1,3,5 -- Simon (Jy-lab entrance)
11:00-11:35 Shop & GBT Control Room Groups 2,4,6 -- Hedrick, Frayer (Jy-lab entrance)
11:40-12:15 Electronics Lab Tour Groups 2,4,6 -- Simon (Jy-lab entrance)
11:40-12:15 Shop & GBT Control Room Groups 1,3,5 -- Hedrick, Frayer (Jy-lab entrance)
12:15-13:15 Lunch
13:30-14:30 Interferometry -- Peck
14:30-15:30 VLA -- Mioduszewski
15:30-15:45 Coffee Break
15:45-16:00 Science Talk -- Lynch: NANOGrav
16:00-16:15 Science Talk -- Lockman: Duck, here comes the Smith Cloud!
16:15-17:30 Team Data analysis and Observation Planning
17:30-18:30 Dinner
18:30-00:00 20m Observing and CASA Tutorials

Wednesday June 10 Science Center Classrooms

07:30-08:30 Breakfast
09:00-10:00 ALMA -- Peck
10:00-10:15 Science Talk -- Mioduszewski: The Pleiades Distance Scale
10:15-10:30 Coffee Break
10:30-12:15 Pulsar Project -- Lynch
12:15-13:15 Lunch
13:30-14:30 Calibration and Observing Techniques -- Frayer
14:30-15:15 Writing Effective GBT and NRAO Proposals -- Minter
15:15-15:30 Science Talk -- Frayer: High Redshift CO
15:30-15:45 Coffee Break
15:45-17:30 Team Group Work
17:30-18:30 Dinner at the Science Center Cafe
19:00-00:00 GBT Drift Scans

Thursday June 11 Jy Auditorium

07:30-08:30 Breakfast
08:30-10:00 Team Work
10:00-12:00 Team Presentations (15 minute each)
12:15-13:15 Lunch
13:30-14:30 Climate Change -- Tim Canty (UMd)
14:30-15:30 Planning a Career -- Keisha John (UVa)
15:30-15:45 Coffee Break
15:45-16:45 Choosing and Paying for a Grad School -- Keisha John & Tim Canty
16:45-17:30 Preparing a CV and Career Development -- Panel Discussion
17:30-18:30 Dinner