


Week 1 Schedule

JULY 17 Monday	JULY 18 Tuesday	JULY 19 Wednesday	JULY 20 Thursday	JULY 21 Friday
9:00 AM EDT Global Summer School Welcome & Kickoff	9:00 AM EDT Quantum Circuits <i>Speaker: John Watrous</i>	9:00 AM EDT Entanglement in Action <i>Speaker: John Watrous</i>	9:00 AM EDT Quantum Query Algorithms <i>Speaker: John Watrous</i>	9:00 AM EDT Phase Estimation and Factoring <i>Speaker: John Watrous</i>
11:00 AM EDT Single Systems <i>Speaker: John Watrous</i>	11:00 AM EDT Lab 1: Qiskit 101 Abby Mitchell	11:00 AM EDT Lab 2: Creating Entanglement with Qiskit Nick Bronn	11:00 AM EDT Foundations of Quantum Algorithms <i>Speaker: John Watrous</i>	11:00 AM EDT Lab 3: Diving into Quantum Algorithms Kaelyn Ferris
1:00 PM EDT Multiple Systems <i>Speaker: John Watrous</i>	1:00 PM EDT Live Q&A Session with Abby Mitchell	1:00 PM EDT Live Q&A Session with Nick Bronn	1:00 PM EDT Live Q&A Session with Olivia Lanes & John Watrous	1:00 PM EDT Live Q&A Session with Kaelyn Ferris
3:00 PM EDT Live Q&A Session with Olivia Lanes & John Watrous				

Week 2 Schedule

JULY 24
Monday



11:00 AM EDT
Quantum Computing
Hardware and Super
Conducting Circuits
Speaker: Olivia Lanes

1:00 PM EDT
Live Q&A Session with
Olivia Lanes & John Watrous

JULY 25
Tuesday




9:00 AM EDT
Introduction to Quantum
Noise Part 1
Speaker: Zlatko Minev

11:00 AM EDT
Introduction to Quantum
Noise Part 2
Speaker: Zlatko Minev

1:00 PM EDT
Live Q&A Session with
John Watrous & Zlatko
Minev

JULY 26
Wednesday




9:00 AM EDT
Iterative Quantum Phase
Estimation: Moving Beyond
Traditional QPE
Speaker: Kaelyn Ferris

11:00 AM EDT
Variational Quantum
Eigensolver
Speaker: Omar Shehab

1:00 PM EDT
Live Q&A Session with
Omar Shehab

3:00 PM EDT
Lab 4: Iterative Quantum
Phase Estimation
Kevin Sung

JULY 27
Thursday




9:00 AM EDT
Noise Mitigation Part 1
Speaker: Nick Bronn

11:00 AM EDT
Noise Mitigation Part 2
Speaker: Nick Bronn

1:00 PM EDT
Lab 5: Noise Mitigation
Kevin Sung

3:00 PM EDT
Live Q&A Session with Kevin
Sung

JULY 28
Friday



11:00 AM EDT
Lab 6: Contributing to Qiskit
Abby Mitchell

1:00 PM EDT
Closing Ceremony/ Panel
Speaker: All Lecturers