Order	Topic	Presenter	Additional Information
1	Introduction	Mark	Introduce topic, team members. Review Dirichlet's and Thomae's function as motivation. What problems do these functions have with integration?
2	Sets of Measure Zero	Esra	Give definition and explain.
3	α-Continuity	Esra	Give definition and explain.
4	Lebesgue's Criterion for Riemann Integrability	Mark	State theorem, explain difference from Riemann integration.
5	Prove Lebesgue's Criterion	Mark	Very brief overview of proof that uses definition of Measure Zero and α-Continuity.
6	Nonintegrable Differentiable Function	Vishnu	Discuss example presented in book. Discuss creation of the function from the Cantor set and highlighting why the function fails to be Riemann Integrable under Lebesgue's Criterion.
7	Revisit Dirichlet's Function	Mark	Is it Riemann Integrable under the new criterion discussed? Why or why not?
8	Lebesgue's integration	Esra	Brief discussion on how Lebesgue Integrals help extend the use of integrals to more difficult functions.
9	Conclusion	All	