This course will take a seminar approach to provide a broad survey of current questions being asked involving the microbiome in various systems. Students will complete the course with an improved understanding of current microbiome research goals and techniques. Each week we will focus on a different topic from a diverse pool of areas, presented by established researchers as well as early-career investigators. In addition to sharing scientific results and accomplishments, this course also offers a community-building experience for students with microbiome interests from diverse departments.