

MOOCs (Massive Open Online Course) Report of 2015

Course Name: The Extremes of Life: Microbes and Their Diversity

Course Start Date: Nov 19, 2015 at 09:00 UTC

Course End Date: Dec 18, 2015 at 06:00 UTC

Total Enrollment: 2810

Completed Enrollment: 435

Verified Enrollment : 33 (fee'd)

Enrollment from 127 Countries/Regions in Total

---Top10 Countries---

USA	598
India	188
Japan	149
UK	129
Germany	88
Canada	81
Spain	76
Australia	65
Egypt	63
Mexico	55

Age Group

< 25 32.6 %

25-40 42.6 %

41 < 24.8 %

MOOCs Contents

1) Trailer Video

2) Introduction/Welcome Video

3) Week 1

Evolution and the Diversity of Life

Part 1 | Evolution is a result of diversification and selection

Part 2 | How can we classify life?

Part 3 | Phylogenetic analysis

Part 4 | The Three Domains of Life

4) Week 2

Life in Boiling Water

Part 1 | Extreme environments

Part 2 | Hyperthermophiles

Part 3 | More Hyperthermophiles

Part 4 | Thermostable proteins from hyperthermophiles

5) Week 3

Diversity of Extremophiles

Part 1 | Preparing for a hot reaction

Part 2 | Watching a hot reaction

Part 3 | Extremophiles

Part 4 | More Extremophiles

6) Week 4

Genome Sequences

Part 1 | What they tell us

Part 2 | How can we use them?

Part 3 | Using the genome to find new metabolic pathways 1

Part 4 | Using the genome to find new metabolic pathways 2

Part 5 | Diversity of the microbial world

7) Farewell Message

#1: Problems were given for each Part, and homework for each week.

#2: An abundant number of queries were posted on the course Thread: queries and comments were discussed among the participants and TA's.