

Days	Name	Duration	Category	Main Category
1	Introduction to BioPython & Installation	10:18	Introduction	BioPython
1	Bio.Seq Create a Seq Object	7:38	Sequence Analysis	BioPython
2	Bio.Seq Seq Object Behaves Like a String	9:54	Sequence Analysis	BioPython
2	Bio.Seq Central Dogma in Play Through Python	8:41	Sequence Analysis	BioPython
3	Bio.Seq Unkown & Mutable Sequences	6:53	Sequence Analysis	BioPython
3	Bio.Alphabet Understanding the Alphabets of Biology	7:37	Sequence Analysis	BioPython
4	Bio.Alphabet IUPAC and Types of Sequence Representations	10:34	Sequence Analysis	BioPython
4	Bio.Alphabet Concatenation of Multiple Seq Records Using Generic Alphabets	9:47	Sequence Analysis	BioPython
5	SeqRecord Creating Seq Records	12:27	Sequence Analysis	BioPython
5	SeqRecords & FASTA	4:35	Sequence Analysis	BioPython
6	SeqRecords & GenBank	3:28	Sequence Analysis	BioPython
6	SeqRecord Formatting Records	3:47	Sequence Analysis	BioPython
7	SeqRecord Comparison & Reading Multiple FASTA Files from Directory	5:47	Sequence Analysis	BioPython
7	SeqIO Reading a Sequence File	10:32	Sequence Data Parsing	BioPython
8	SeqIO Parsing a Sequence File	7:16	Sequence Data Parsing	BioPython
8	SeqIO Parsing a Compressed Sequence File & Creating a Dictionary of Sequences	6:10	Sequence Data Parsing	BioPython
9	SeqIO - Write Sequences and SeqRecords Into Files	11:42	Sequence Data Parsing	BioPython
9	SeqIO Extracting Annotations and Pattern-wise Sequence Data Extraction	10:35	Sequence Data Extraction	BioPython
10	AlignIO - Reading and Parsing a Multiple Sequence Alignment File	8:19	Alignment Parsing and Analysis	BioPython
10	AlignIO - Writing Alignments and Multiple Sequence Alignment Records	5:28	Alignment Parsing and Analysis	BioPython
11	AlignIO - Conversion of Alignment Formats	4:01	Alignment Parsing and Analysis	BioPython
11	AlignIO - Manipulating Alignments	2:57	Alignment Parsing and Analysis	BioPython
12	AlignIO - ClustalW Python Wrapper - Align Multiple Sequences	7:47	Alignment Parsing and Analysis	BioPython
12	AlignIO - Pairwise2 - Align Two Sequences	7:31	Alignment Parsing and Analysis	BioPython
13	AlignIO - Information Mapping of Alignments	2:33	Alignment Parsing and Analysis	BioPython
13	AlignIO - Format Alignments	3:55	Alignment Parsing and Analysis	BioPython
14	AlignIO - Slicing Alignments	6:05	Alignment Parsing and Analysis	BioPython

14	Bio.Blast - Querying NCBI BLAST Through Python	11:41	BLAST Database Searching	BioPython
15	Bio.Blast - Parsing BLAST Results	14:51	Parsing BLAST results	BioPython
15	Bio.Entrez - Accessing ENTREZ Using Python	9:32	Biological Data Retrieval	BioPython
16	Bio Entrez Use Esummary To Get Summary Of Your Accessions	8:59	Biological Data Retrieval	BioPython
16	Bio.Entrez - Use EFetch to Download Complete Records	13:56	Biological Data Retrieval	BioPython
17	Bio.Entrez - Use EGQuery to Do Global Quries for Search Counts	7:24	Biological Data Retrieval	BioPython
17	Bio.Entrez - Use Elink To Search For Database Links Of Records	3:41	Biological Data Retrieval	BioPython
18	Bio.Entrez - Use ESearch to Search the Entrez Databases	8:20	Biological Data Retrieval	BioPython
18	Bio.Entrez - Use Espell To Get Correct Spellings For Your Search Terms	5:21	Biological Data Retrieval	BioPython
19	Bio.Entrez - Download GenBank and Entrez Records	14:17	Biological Data Retrieval	BioPython
19	Bio.Entrez - Taxonomy Database Searching	7:05	Biological Data Retrieval	BioPython
20	Bio.Entrez - Download PubMed Articles	8:28	Biological Data Retrieval	BioPython
20	Bio.Entrez - Use EFetch to Download Complete Records	13:56	Biological Data Retrieval	BioPython
21	Bio.PDB - Reading a PDB (3D Structure) File	11:59	Parsing a PDB Structure file	BioPython
21	Bio.Phylo - Calculating Distance Matrix Between Sequences For Phylogenetic Analysis	4:18	Phylogenetic Analysis	BioPython
22	Bio.Phylo - Converting Phylogenetic Tree Data Formats	3:28	Phylogenetic Analysis	BioPython
22	Bio.Phylo - Printing Out Phylogenetic Tree In Ascii	2:17	Phylogenetic Analysis	BioPython
23	Bio.Phylo - Reading Phylogenetic Trees	6:28	Phylogenetic Analysis	BioPython
23	Bio.Phylo - Visualization And Manipulation Of Phylogenetic Trees	9:36	Phylogenetic Analysis	BioPython
24	Bio.Phylo - Writing Out Phylogenetic Data	4:04	Phylogenetic Analysis	BioPython
24	Bio.motifs - Creating a WebLogo of Motifs		Protein Sequence Analysis	BioPython
25	Bio.motifs - MEME Analysis		Protein Sequence Analysis	BioPython