

1135-M5-2384 **Art Duval*** (adual@utep.edu). *Bioinformatics-themed projects in Discrete Mathematics.*

Over the course of several years, I have developed a series of bioinformatics-themed projects suitable for an introductory Discrete Mathematics course. The projects are based on real bioinformatics problems, mostly around sequence alignment and phylogeny. Yet each project is self-contained, and students do not require any biology to understand or complete the assignment. I will describe how the projects were developed and refined, and how I use them in class. (Received September 26, 2017)