

1154-97-530 **Vlajko L Kocic*** (vkocic@xula.edu), 4912 Elmwood Pkwy., Metairie, LA 70003. *The course "Mathematical Modeling in Life Sciences" at Xavier University of Louisiana.*

The course "Mathematical Modeling in Life Sciences" was introduced several years ago at Xavier University of Louisiana. It is a sophomore level course designed for mathematics and science majors interested in applied mathematics with emphasis to applications in life sciences. The only mathematical prerequisite for the course is completion of Calculus I which present major challenge. In this talk we discuss several challenges and ways to overcome them such as limited mathematical background, mathematically diverse student population, interdisciplinary aspect of the course, as well as the selection of topics, students' projects, and materials specifically developed for this course. (Received September 06, 2019)