

Development of Virtual and Remote Teaching Laboratories for Food Science and Engineering Students

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COVID-19 forced many universities to cancel in-person instructions and to substitute virtual course presentations instead. This created problems for courses that required laboratory sessions which served as tools for efficient understanding of certain concepts. To meet this unexpected need, researchers from the universities above designed virtual laboratory exercises to meet the academic needs of food science and engineering students. To accomplish this, prototype kits of selected assignments were developed and distributed, first to the collaborators' universities, where students enrolled in related courses provided constructive critiques of the kits. These critiques were used to improve the kits before distributing them to other United States universities.