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This class will study the behavior of photovoltaic solar energy systems, focusing on the behavior of "stand-alone" systems. The design of stand-alone photovoltaic systems will be covered. This will include estimation of costs and benefits, taking into account any available government subsidies. Introduction to the hardware elements and their behavior will be included.

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Joseph Sullivan is entering his fourth year in MIT"s Photovoltaic Research Laboratory. He currently researches advanced photovoltaic concepts that have the potential to break the Shockley-Queisser efficiency limit. ... About MIT OpenCourseWare. MIT OpenCourseWare makes the materials used in the teaching of almost all of MIT"s subjects available ...

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Understand the science, engineering implementation, and market and social forces driving this key solar energy technology. This course is one of many OCW Energy Courses, and it is an elective subject in MIT"s undergraduate Energy Studies Minor. This Institute-wide program complements the deep expertise obtained in any major with a broad understanding of the ...

will help MIT OpenCourseWare continue to offer high quality educational resources for free. To make a donation or view additional materials from hundreds of MIT courses, visit MIT OpenCourseWare at ocw.mit . PROFESSOR: Ladies and gentlemen, thanks for coming today. I"d like to formally start the course, The Fundamentals of Photovoltaics.

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