Projects Management

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Courses

Visit online course listings to view semester offerings for T54 PRJM (https://courses.wustl.edu/CourseInfo.aspx?sch=T&dept=T54&crslvl=5:8).

T54 PRJM 523 Project Planning Methodologies
Build your expertise with today's critical project management methodologies in our fast-paced world. Variations of waterfall are widely used in industry, but new uses of agile are being discovered every day, both inside and outside of software-based organizations. This course exposes the student to the fundamental and emerging techniques and tools used to manage successful projects of various sizes and complexity -- managing cost, schedule, quality, risk, solution and requirements -- while adapting to today's fast-paced and uncertain business environment. The primary focus of this course is on agile. Credit 3 units.

T54 PRJM 525 Introduction to Agile Project Management
SCRUM, XP, Kanban, ScrumBan, SAFe - these are some of the key frameworks and processes covered in this course. Agile as a mindset, a skillset, and a toolset are all critical in our fast-paced world. Today's businesses have either started or will soon begin their Agile journey. This course will use books from industry recognized experts in the field of Agile development as well as case studies and varying practical assignments. Students will come away with a solid understanding of the core agile concepts, processes, frameworks, roles, and practices that are shown to deliver leading Market and Business value. Prerequisite: T54 523. Credit 3 units.

T54 PRJM 526 The Art & Science of Risk Management
This course focuses on why many project managers miss requirements for schedule, budget or even both. The course concentrates on key risk management techniques practiced by leading project and program managers and taught through fact-filled lectures, case work and project execution as applied to information systems, engineering, financial, product/process and design projects/programs in today's fast-moving environment. Students will take away key value propositions, including risk identification, risk quantification, risk monitoring, risk control and risk mitigation. This course will enable the student to address common scope, schedule, quality and cost risk events that occur on complex projects. Project risk management examines the types of risk, with a focus on understanding the process of risk identification, assessment, prevention, mitigation, and recovery; governance, auditing, and control of confidentiality; integrity; and availability of data. Using common operational, strategic, tactical, and technological scenarios, the course work provides a comprehensive approach to the challenges faced by managers when global data is readily available, risk is pervasive, regulations are ever-increasing, and the threat of disruption from potential crises is real. Credit 3 units.

T54 PRJM 528 Advanced Topics in Agile Project Management
DevOps, Scaling Agile, Product Funding, and Enterprise Transformation are just a few of the advanced topics that will be covered in this course. Enterprise Agile Transformation is a highly sought-after capability for today's organizations. This course will use books and case studies from industry-recognized experts in DevOps, Dual Systems, Value Chain, Agile Center of Excellence, and Agile Maturity Models focused on advancing and transforming an organization to an Agile Mindset. Students will come away with a solid understanding of how to build, coach, and measure an organization's Agile Transformation with the use of a maturity model. Students will also be exposed to finance changes as organizations transition from project to product funding, where value is the focus. Prereqs: T54 PRJM 525. Credit 3 units.

T54 PRJM 599 Applied Research Study
Applied Research Study (ARS) is an advanced, project-based course designed to allow students to develop in-depth knowledge and further their education building on the education offered in the Programs. Applied research is a type of examination looking to find practical solutions for existing problems. These can include challenges in the workplace, education, and society. Students collaborate with an adjunct faculty advisor to collect data. Findings are applicable and may be implemented upon completion of a study. Applied research focuses on answering one specific applied research question for a client or sponsor. Applied Research Study must have prior approval of a faculty sponsor and the Program Director. Credit 3 units.