Faculty Roster Form
Qualifications of Full-Time and Part-Time Faculty

Name of Institution: University of Louisville

Name of Primary Department, Academic Program, or Discipline: Industrial Engineering

Academic Term(s) Included: Spring 2015-Fall 2022   Date Form Completed: 11/22/2022

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NAME (F, P)	**COURSES TAUGHT** Including Term, Course Number & Title, Credit Hours	**ACADEMIC DEGREES& COURSEWORK** Relevant to Courses Taught, Including Institution & Major List specific graduate coursework, if needed	**OTHER QUALIFICATIONS & COMMENTS** Related to Courses Taught
Jason Saleem, Ph.D. (F)	**IE 580 Introduction to Human Factors and Ergonomics**, 3 cr (Spring 2015, Spring 2016, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020) **IE 380 Work Design**, 3 cr (Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020, Fall 2021, Fall 2022) **IE 581 Advanced Topics in Human Factors Engineering**, 3 cr (Spring 2016, Spring 2017, Spring 2018, Spring 2019, Spring 2020, Spring 2021, Spring 2022) **IE 585 Usability Engineering**, 3 cr (Spring	**2003 Ph.D., Industrial and Systems Engineering**, Virginia Tech Specialization: Human Factors Engineering and Ergonomics **1999 M.S., Industrial and Systems Engineering**, Virginia Tech Specialization: Human Factors Engineering and Ergonomics **1997 B.S., Industrial Engineering**, University of Pittsburgh	**IE 682 Quality of Care and Patient Safety**: Dr. Saleem will be the instructor. Dr. Saleem has extensive experience within healthcare, having worked for the Veterans Health Administration for 10 years before starting his position at UofL. Dr. Saleem has over 100 publications, the majority of which is in the healthcare domain, covering many of the same topics in IE 682. Dr. Saleem will be able to use examples from his healthcare experience to give the student's an enriched experience when learning how to apply methods such as Root Cause Analysis (RCA) and Healthcare Failure Mode and Effects Analysis (HFMEA).

	2017, Spring 2018, Spring 2020, Spring 2021, Spring 2022) **IE 482/682 Quality of Care and Patient Safety**, 3 cr (Fall 2022)		
Xiaomei Wang, Ph.D. (F)	**IE 580 Introduction to Human Factors and Ergonomics**, 3 cr (Fall 2021, Fall 2022)	**2020 Ph.D.** in Industrial Engineering, SUNY Buffalo, USA **2016 M.S.** in Industrial Engineering, SUNY Buffalo **2014 B.S.** in Industrial Design, Xi'an Jiaotong University, China	**IE 684 Health IT and Clinician Support**: Dr. Wang will be the instructor. Dr. Wang took IE 535 Human Computer Interaction (HCI) and IE 639: Special Topics - Innovations in Home Health courses during her graduate study from University at Buffalo. Both are relevant to the new course. Dr. Wang taught engineering design process (ISEN 210 Fundamentals of IE Design) at Texas A&M University for two semesters. Dr. Wang worked on funded projects about health IT and published numerous papers around the topics that will be taught. Dr. Wang is co-creating the course with Dr. Farzan Sasangohar who is a famous researcher and editor of book Design for Health. The book is being used as a reference. Dr. Wang used to be a user interface (UI) and user experience (UX) designer, and have used the similar design techniques in previous research, thus is qualified to teach the design software and guide the design projects.
Luis Segura, Ph.D. (F)	**IE 462/662 Predictive Analytics for Decision Making I**, 3 cr (Fall 2022)	**2021 Ph.D.** in Industrial Engineering, SUNY Buffalo, USA **2010 M.Sc.** in Manufacturing Systems from Southern Illinois University Carbondale, USA **2007 B.Sc.** in Mechanical Engineering from Universidad de las Fuerzas Armadas-ESPE, Ecuador	**IE 662 Predictive Analytics for Decision Making I**: Dr. Segura will be the instructor. Dr. Segura received his Ph.D. in Industrial and Systems Engineering from the University at Buffalo (UB) in 2021. He also received a B.Sc. in Mechanical Engineering from Universidad de las Fuerzas Armadas-ESPE, Ecuador (2007) and a M.Sc. in Manufacturing Systems from Southern Illinois University Carbondale (2010) as a Fulbright Scholar. Dr. Segura's research expertise lies in the integration of physics-

| | | | based and data-driven models to optimize processes and product quality in advanced manufacturing. Dr. Segura has published several papers in the areas that will be taught in the course. His teaching experience includes statistical quality control, data analytics, and manufacturing systems. The course content for IE 662, Predictive Analytics for Decision Making, is considered introductory level material for Dr. Segura's area of expertise. |
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F, P: Full-time or Part-time;