IDAT3 Total Quality Management (Detailed) Course Outline Approved 2022

IMPORTANT!! note that in various VoIP email services or other VoIP/Wi-Fi/Cross, my ISP's official email (info@tvpath.com) email address does not work, please use my Apple official email address: cornerwebmail@me.com. If always work.

Having said so much of, if you don't hear from me within a few days, you can assume, that I have not received your email. If this is the case, I am sorry, but since I cannot do anything about it, please wait it again to the above email address.

Thanks!
Bobby

Course number and name

Please welcome to IDAT3, for the and asynchronous eLearning, IDAT3: Total Quality Management (TQM) course.

This course is a continuation of IDAT2 course, and it is a prerequisite for the following courses in the workflow/core classes. Also, all materials are digital in this course, including all readings, learning resources, as well as assignments and work submitted to Canvas by students. As course details about the how to the submissions.

Course description

This is a very progressive and exciting course, because you'll learn about:

1. Total Quality Management (TQM) course, based on modern workflow automation, control & optimization, and how to analyze, methods, tools and technology how to setup workflow of automation, and also how powerful the TQM is, and how it can help you and your company to be more productive, and how to be more successful in your career. Also, you'll learn about how to setup and use TQM tools, and how to use them.
2. Also, you'll learn how to set up your own quality-focused company and a simple webpage for your company to document your knowledge / experience / skills / abilities / etc. in TQM.
3. You'll also learn about network networking by reading and discussing several very up-to-date quality-focused technical articles, of which you should select three and write executive summaries of each, per assignment.
4. Also, you'll learn how to create assignment should also have a Journalistic Access Issue. You'll learn about this also.
5. Also, you'll learn, that quality is a process, not a destination, and that continuous quality improvement is part of workers, as well as humanity, everything we create, use and so manufacture or have use. Nothing is static and every system can be improved, and you'll learn how to do this in this course.

This course is system-based focused on assignments, short midterm exam, content and discussion in three core webpages Canvas.

As you can see below, the course schedule is based on this syllabus.

This course has a multimedia flavor of recordings. Assuming resources, created by Dr. Rankin, as well as an updated traditional textbook (see below).

All assignments are documented by the students can be in their own web pages and I can see your share by them.

Please read the syllabus carefully and then ask the instructor questions if you need help or further explanation.

Also, please read the instructor's notes carefully, as they are very important and will be used on all VAST experiences, this syllabus assesses your 90% of student questions in this course. This saves time for everybody.

Please note that this course is a graduate course and is not for undergraduate students. Also, please note that this course is not for beginners, and you must have a good knowledge for your professional field.

Also, please note that this course is not a short syllabus, but this course will be studied for a variety of different distribution running everybody classes. Again, please learn to love and understand... Please read the syllabus carefully and then ask the instructor if you need help.

This syllabus has many level of redundancy because based on my 20+ years teaching this class at VAST, students often never remember before they start to work on assignments.

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VERY IMPORTANT: VAST Submission of Processor Procedure: This is an NJIT requirement.

IDAT3 is a very hands-on course, including, assume and course, VAST Midterm syllabus of syllabus of financial also students for processor of tuition and other expenses related to this course. The U.S. Department of Education has very specific requirements regarding student participation and communication for online and hybrid courses. It is the responsibility of the instructor to record and keep track that each student's participation in this course. Students should also be aware of their responsibilities as outlined in Section 484(a)(3) of the Higher Education Act, as amended and in the student.

Failure to regularly log in all students, for, as well as at a meeting, Distance learning students.

Processor is defined as attendance in a discussion setting or by participating in some form of academic activity during the course.

Students who do not participate in the course will be withdrawn from the course. Students who do not log in during the first week of class may be dropped, as this does not constitute attending the course. Students who intend to participate in online activities, but are not officially registered, may be dropped as well. Students who stop participating in the course without withdrawing officially may receive a failing grade. Please see the instructor if you have questions about this policy.

To verify your presence, please send me an email to: cmkr@vpath.com, stating, that you have read the syllabus and ready to work in the class. Thank you!

Credits and contact hours
3 credit hours, 3 contact hours

Instructor's, or course coordinator's name:

Instructor: Dr. Paul L. Rankin, Email: Office Location or MSL NJIT:

The optimal printed text book, or textbook is PDF digital text, title, author:

Title: Total Quality Management: Principles, Methods, and Applications Hardcover, Introduction to Total Quality, by Pearson Prob; ISBN-10 0128000856 3, Item: 784 ed., or 4th ed.; either of these are fine.

Total Quality Management (TQM) is a data-based, or decision-making, and the focus of organizational efforts to improve the quality of its products and services. TQM is a continuous process that requires the participation of all employees in the organization, including top management, as well as subcontractors and vendors. It is also a management philosophy and a collection of guiding principles that can be applied to various disciplines, including engineering and manufacturing, education, and service industries. TQM is a way of improving the effectiveness, flexibility, and competitiveness of an organization as a whole.

Specific course information

Brief description of the content of this course (Catalog Description):

This course was fundamental concepts of Total Quality Management. It introduces the concept of total quality management as applicable to individual systems. Presents methods for product quality improvement. Emphasis is on preventive through quality engineering and design, and post-factory traditional statistical process quality control. Presentation of current methods in supplier management, quality assurance, and quality improvement. Also, this course will be a prerequisite for the following courses in the workflow/core classes.

Prerequisites, or co-requisites:

Prerequisites: see NJIT requirements.

Major topics to be covered: (Course Outline):

Introduction to Total Quality Management, Principles for quality participation in the class using the social networking assignment.

1. Learning Outcomes, objectives & time sources for effectively self-teaching, learning activities and assignments (see)
2. Cognitive theory, basic and practice quality engineering management Several knowledge acquisition, analysis, design, management, and control skills.
3. Resources theory, basic practical skills for mapping working in a self-owned company on quality problems as explained in this section.
4. Process benchmarks, diversity in driving organization quality management challenge and attitudes relating to quality systems, fact panel about good quality and basics to communicate its also, both really had about poor quality and how to improve it, and how to measure it.
5. Making improvement personal skills, goal activity & strategy and control interaction with others while improving your work skills during and continuous process to the class while discussing and setting quality engineering management problems in small teams.

Specific goals for the course and specific outcomes of students that are embedded in every assignment are:

1. Able to a baseline on how TQM system, based on modern workflow automation, control & optimization, and how to analyze, methods, tools and technology how to setup workflow of automation, and also how powerful the TQM is, and how it can help you and your company to be more productive, and how to be more successful in your career.
2. Students learn fundamental principles of quality assurance and quality improvement.
3. Students learn how to analyze and apply statistical process control for quality, quality criteria, capacity responsibility, quality culture, and customer satisfaction.
4. Students learn fundamentals of employee empowerment, leadership and teamwork, and strategic issues, building, effective communication, quality circles, and problem solving.
5. Students learn fundamentals of international quality standards, like ISO 9001, and related ISO Standards, cause-important and professional quality tools, and methodology for. Quality problem solving and quality based
6. Students learn how to apply statistical process control for quality, quality criteria, capacity responsibility, quality culture, and customer satisfaction, and quality based.
7. Students learn the importance of statistical process control, control charts for variables and attributes, and other statistical methods for quality improvement. Then, that in this course, at graduate engineering management level, you'll learn how to apply these methods in business.
8. Students will a quality problems, as well as culture results following problem-based, learning-based - problem solving methods.
9. Students learn how to apply statistical process control for quality, quality criteria, capacity responsibility, quality culture, and customer satisfaction, and quality based.
10. Students also learn about quality auditing methods and rules, following ISO and international standards, such as 19011.
11. Students learn how to create a webpage for their own related quality-focused companies and the document all of their knowledge in their assignments described in their syllabus in the digital domain.

Further specific goals for the course, include the following social learning objectives statement:

Course and specific course technical applications and methods in quality science.

Create quality engineering management-focused analysis and problem-solving skills.

Learn how to work effectively in teams of diverse backgrounds and learning styles.

Think outside the box and think and act as a responsible engineering/ready to solve problems and drive solutions at a high level of quality. Learn, then, how about different opportunities and constraints to solve quality problems.

Understand and focus on the quantitative, analytical tools fundamentals of a real-world system, including the boundary conditions, that are applicable.

Realize creative thinking challenges and create use cases, that are open-ended, based on communication requirements, affecting a large variety of solutions, that can be further optimized in a real-world situation.

Learn and practice the use of engineering project management communication standards, specific knowledge documentation and management.

Learn methods relating to quality engineering management systems analysis and system design.

Learn analytical and practical skills focusing on how to set up a quality engineering management syllabus. Used process in the real-world, how to collect / evaluate accurate data, how to assess risk, this data and how to apply analytical thinking and statistical tools, to help with engineering management decision-making processes.

Welcome notice: IMPORTANT!

Please read the entire NJIT official email syllabus and use your NJIT recorded assistance ONLY YOUR webpage or other system or email please! Some bodies NJIT's system, the professor will be using to test that emails, use that you'll NJIT email only.

You can always contact me, your professor - Instructor and PLEASE DO in 7 days a week, 24 hrs, a day, at my NJIT email: cmkr@vpath.com

Also, I use the learning management tool to set using Canvas.

For social networking and NJIT video conferencing we use Microsoft Teams for NJIT/IDAT3. Canvas for some discussions.

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Course Outline

Instructor: Dr. Paul L. Rankin, email: cmkr@vpath.com, more about the instructor: please look him up on LinkedIn, and/or on the web, web resume here: it's electronicsandcomputers.com/bobby.htm

Other Related Graduate Courses Taught by This Professor include the following:

ET/IDAT 3 (NJIT ID 447 or equivalent, 3d and CIS Core for Quality Methods: Independent Research Course. This is a very novel, progressive course focusing on Advanced Core Six Sigma Methods. Customer Requirements Analysis, Quality Function Deployment, Design of Experiments, Statistical Process Control, Measurement Systems Analysis, Failure Mode and Effects Analysis, Reliability Analysis, Process Capability Analysis, Control Plans, Lean Manufacturing, Lean Six Sigma, Project Management, Team Dynamics, Communication Skills, Leadership Skills, Ethics, Professionalism, Quality Standards, Quality Auditing, Quality Certification, Quality Management Systems, Quality Improvement, Quality Assurance, Quality Control, Quality Engineering, Quality Management, Quality Systems, Quality Tools, Quality Techniques, Quality Methods, Quality Principles, Quality Practices, Quality Standards

5. Discuss flowcharts for quality management (that follow international standard notations) and design a simple quality-focused example with a worked out example for your own company. Don't forget to include a technical illustration / image, that you have created to illustrate this challenge / solution (1 point of 10).

6. Explain FMEA (Failure Mode and Effects Analysis) notations and their role in TQM. How do you analyze, evaluate and calculate severity, occurrence and detection modes in a risk analysis project? How do you relate risk and the process map? Design a simple quality-focused example with a worked out example for your own company. Don't forget to include a technical illustration / image, that you have created to illustrate this challenge / solution (1 point of 10).

7. FMEA (cont.): How do you analyze, evaluate and calculate severity, occurrence and detection modes in a quality-focused risk analysis project? How do you relate risk and the process map? Design a simple quality-focused example with a worked out example for your own company. Don't forget to include a technical illustration / image, that you have created to illustrate this challenge / solution (1 point of 10).

8. Explain a total quality decision making process. How is your company doing this? Design a simple quality-focused example, that you have created. Don't forget to include a technical illustration / image, that you have created to illustrate this challenge / solution (1 point of 10)..

9. Explain how to quality manage difficult people at work and how to deal with them when they are destroying quality, brand name, reputation, the company, themselves, the teams, and others (discussion topics); Don't forget to include a technical illustration / image, that you have created to illustrate this challenge / solution (1 point of 10).

• The Tyrant. Strategies to soften the "rant" of a Tyrant Boss who bullies, berates, humiliates. How is your company dealing with this challenge?

• The Saboteur. Often driven by envy, this person works behind your back to slander and sabotage you. Devious and hard to catch. How is your company dealing with this challenge?

• The Space Cadet. Not from the ISS (International Space Station), although their behavior is often out of this world: absent-minded, inefficient, poor judgment. Usually pleasant, but simply can't get the job done. How is your company dealing with this challenge?

• The Power Posturer. Loves power and makes all the right moves to get you to believe that he or she wields tremendous influence. How is your company dealing with this challenge?

• How to conduct effective quality management meetings to overcome the above challenges? How is your company dealing with this challenge?

10. Explain more how to quality manage pushy, arrogant, difficult people at work and how to deal with them when they are destroying quality, brand name, reputation, the company, themselves, the teams, and others. Don't forget to include a technical illustration / image, that you have created to illustrate this challenge / solution (1 point of 10).

• The Bulldozer. Pushy, abrasive, aggressive, and overly blunt. Learn how to stand your ground without getting flattened. How is your company dealing with this challenge?

• The Button Pusher. This sneaky type gets what they want by subtly exploiting the weaknesses of others. How is your company dealing with this challenge?

• The Coaster. Hasn't done anything in months. Drags down the team's performance. How is your company dealing with this challenge?

• The Harasser. Two types: (1) who goes too far, and (2) the heavy-duty harasser out to overpower his victims. How is your company dealing with this challenge?

• The Undercover Operator. Always smiling and telling you how great it is to work with you, until this snake in the grass strikes. How is your company dealing with this challenge?

• The Credit Grabber. Don't let a "mind-pirate" steal all your glory. Strategies that turn the tables so YOU get the credit and the spotlight you deserve. How is your company dealing with this challenge?

Please don't forget the social networking assignment. This is also part of your active participation requirement. If I can see, that you are actively discussing the social networking articles I am emailing you during the semester, then I can see, that you are actively participating in this class. This active participation earns you 10 points = 10% extra in this class.

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