A brief description of the overall purpose of this Knowledge Area Module

The structure of this specialized KAM follows the typical Walden trilogy of breadth, depth, and application, each requiring demonstration of a different type of competency leading to a broad-based and integrated knowledge in the subject matter of the KAM concerned, in this case, the theory and practice of total quality management in engineering. These requirements are further explained below.

Breadth

The requirement in this section is to demonstrate a broad-based knowledge of the concepts, principles, and practices of total quality management as they have evolved over time from the seminal 1951 work of Armand Feigenbaum on quality control, to the more recent contributions by the stalwarts like Edward Deming, Joseph Juran, Philip Crosby, and Kaoru Ishikawa. This assignment can be accomplished through a critical essay of 30 pages comparing and contrasting the works of these or other seminal authors in the field of engineering management.

Depth

This section requires a 25 page research-based essay critiquing, comparing and contrasting various methods and tools currently used and suggested by scholars and practitioners for total quality management in process and product engineering. Additionally, you will prepare and annotated bibliography of at least 15 recently published journal articles in the area of engineering quality control.

Application

Similar to the application requirements in other KAMS you may have completed, this section can be completed by developing a 20-25 page hands on practical program or guidebook as an aid to controlling the cost efficiency, and reliability of managing quality in real-life situations.
Note: Please try to clearly demarcate the demonstrations as explained above for each component in order to avoid redundancy between breadth, depth, and application, at the same time that you construct the entire KAM as an integrated document on the subject matter discussed. The document must correspond to the Walden approved APA form and style manual, along with appropriate table of contents and references separately for each section.

Startup references


