

Course Redesign (Modular Approach) And Delivery Solution



EducoSoft.com is one of the most powerful and popular e-learning portals. Its popularity in the US, Puerto Rico, and other countries in the Caribbean and Asia grew out of its success in delivering outstanding results in terms of student achievements. It offers a robust platform for delivering Redesign Modular Approaches in different formats. EducoSoft is well known for its; personalized service support, dynamic content, powerful learning activities, ease of use, real-time progress tracking and activity reports, flexibility and multi-level customization options.

Engaging and Interactive Learning Resources

Tutorials with Animations

Each concept is divided into logical sequence of sub concepts that are presented step by step with dynamic graphics and pedagogically sound animations.

Multiplication of Fractions

The rectangle is divided into three equal parts, and one part is shaded. The shaded part is $\frac{1}{3}$ of the rectangle.

Observe that one-fourth ($\frac{1}{4}$) of the shaded part ($\frac{1}{3}$) is the same as $\frac{1}{12}$ of the rectangular unit.

A fraction of a fraction is the product of the fractions.

$$\frac{1}{4} \times \frac{1}{3} = \frac{1}{12} = \frac{\text{Product of the numerators}}{\text{Product of the denominators}}$$

Three dimension shapes

Find the number of

(a) Faces =

(b) Edges =

(c) Vertices =

Solution :

5 Faces, 8 Edges, 5 Vertices

Examples

Several examples are provided after each tutorial session for re-enforcements, each example has unlimited algorithmically generated variations with step-by-solutions.

Practice Sheet

To focus on basic skills, digital practice sheets are provided on each concept. Each practice sheet provides unlimited sets of algorithmically generated questions delivered with or without solutions with instant feedback.

Solve Quadratic: Equation by completing the square : Practice

Score: 75

Solve the following equations by completing the square :

(1) $x^2 - 4x - 6 = 0$ Solution: $2 \pm \sqrt{10}$

(2) $x^2 - 6x + 2 = 0$ Solution: $3 \pm \sqrt{7}$

(3) $x(x+1)(x-2) = 9$ Solution: $\frac{1 \pm \sqrt{3}}{2}$

(4) $\frac{x^2}{5} + \frac{4x}{5} = 1$ Solution: $1, -5$

8.1.5 Solving General Linear Equations

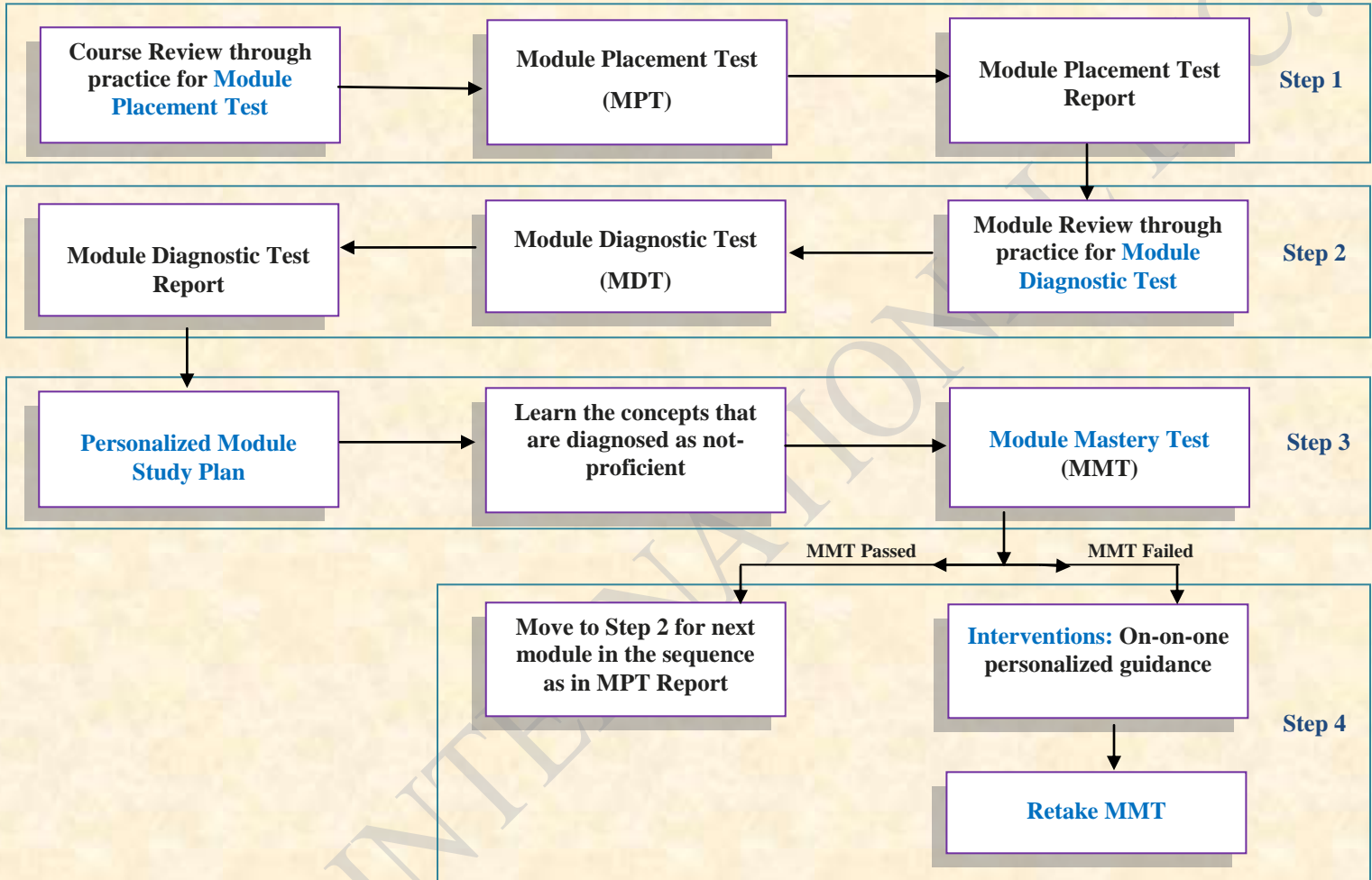
$$4 = 3(x-4) = 2(x+3) + 4$$
$$4 - 3x + 12 = 2x + 6 + 4$$
$$-3x + 16 = 2x + 10$$
$$-2x = -2x$$

Lecture Videos & eBook

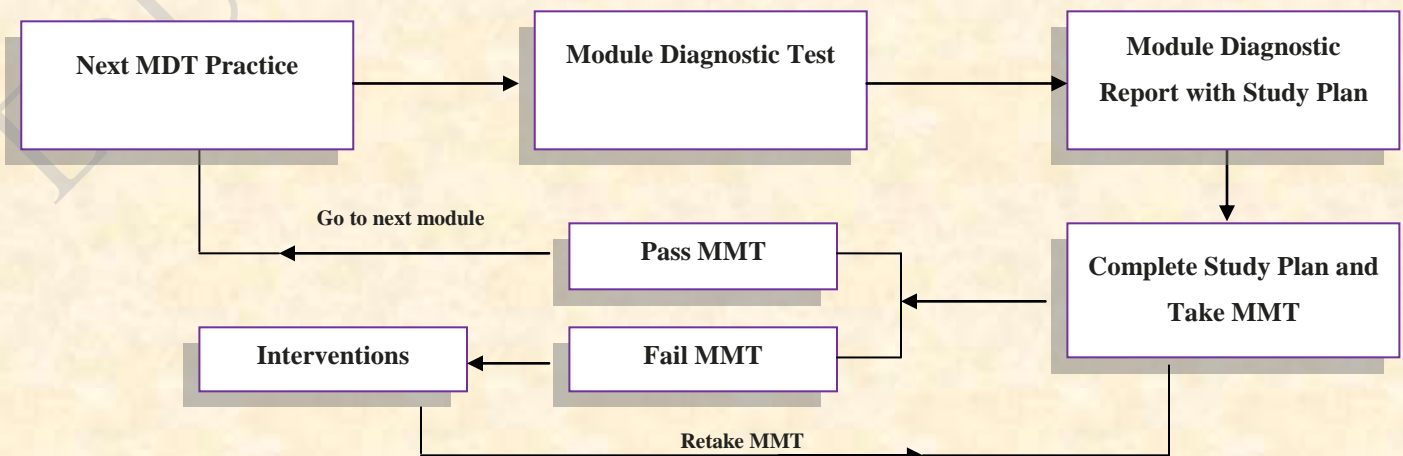
Videos for each tutorial, example, and test question are provided as additional learning resources. These streaming videos help students who learn best with classroom like instructions.

Redesign Modular Approach Learning & Mastery Path

MPT → MDT → STUDY PLAN → MMT



Module Exemption or complete Study Plan, and take Mastery Test



Diagnose Proficiency in Course & Module: Personalized Study Plan with embedded Learning Resources, Real-time Progress Tracking

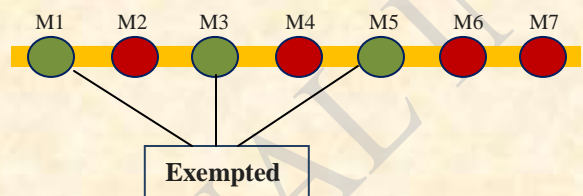
Diagnose Proficiency in a Course Through Module Placement Test (MPT)

- *First test for all new students logging first time into the system to diagnose proficiency in all modules.*
- *Option for practice to review before attempting MPT.*
- *Provides proficiency report, listing **modules exempted**, **modules to be completed**, scores for each module..*
- *Proficiency score is set by the institution.*
- *Can significantly reduce the time for course completion for some students.*

Before taking Module Placement Test



After taking Module Placement Test



After MPT is administered, instead of 7 modules the student in this case is assigned only 4 modules to master.

Diagnose Proficiency in a Module Through Module Diagnostic Test (MDT)

- *Modules not exempted are required to be completed in sequence, starting with the 1st module in the list.*
- *MDT assesses student proficiency in every concept included in the module. **Taking practice test before MDT is highly recommended for review purpose.***
- *Provides concept proficiency report, listing **concepts exempted**, **concepts to be mastered**, scores for each concept..*
- *If a student is diagnosed proficient in all concepts, he/she is exempted from the module, otherwise a **study plan** is created on concepts that need to be mastered.*

MODULE MASTERY TEST (MMT)

- *Last activity in a module after completing the study plan is **Module Mastery Test (MMT)**.*
- *Assesses proficiency, again, in all concepts included in a module. On successful completion, MDT of the next module becomes active, otherwise, one-on-one mentoring or intervention is expected.*

PERSONALIZED STUDY PLAN

- *Contains learning activities and assignments on every concept where the student is diagnosed non-proficient.*
- *Learning activities and assessments on all listed concepts in the personalized study plan need to be completed.*
- *Learning activities on concepts include: **Dynamic tutorial, Videos, e-book, and skill development practice sheets.***

Module/Section	THQ in MDT	THQ-C in MDT	% SC in MDT	THQ in HW	THQ in HW - Quiz
US Math001_4VC-HEM					
Module 4: Tables, Measurements, Statistics, and Geometry					
4.1 Reading and Interpreting Data and Basic Statistics			Section mastery achieved!		Exempt (84%)
4.2 Basic operations on Measurements and Estimation			Section mastery achieved!		Homework on Section 4.2 (100%)
Example 1: Adding Measurements of same unit					00:00:00
4.4 Polygons, Triangles, Quadrilaterals, Perimeters, and Areas	5	1	60%	7	Homework on Section 4.4 (75%)
Example 1: Find the area enclosed by the given triangle			More study required!		00:00:00
Example 2: Find the area by the given parallelogram			More study required!		00:00:00

Key Features at a Glance

STUDENT

- Dash board for **quick glance at assessments, progress, announcements, and messages from the instructor or assigned tutors.**
- Option to **review material** through Tutorial and Practice Tests **before taking MPT, MDT or MMT.**
- **Personalized study plan, based on diagnosed deficiencies, that guides, reinforce learning and leads to module mastery.**
- **Real-time progress report that helps adjust pace and set bench marks for completion.**
- **Interactive and engaging tutorial with dynamic graphics; re-enforcement through examples each with algorithmically generated variations, streaming videos, and concept-wise eBook that can be printed.**
- **Collaboration tools to connect with instructors, coaches, and other students.**

INSTRUCTOR

- **Easy access to reports to track student progress, attendance, activities, module completion, and pace.**
- **Access to student's real-time study plan.**
- **MDT Item analysis helps decide topics for in-class recitation.**
- **Lecture notes that helps make recitations interactive and engaging.**
- **Watch student login records; when, from where, and how long student remained engaged.**
- **Auto transfer and consolidation of student records across terms.**
- **Collaboration tools to stay in touch with students.**
- **Option for mandatory syllabus reading and comprehension.**

CAMPUS COORDINATOR

- **Options for Course & assessment customization.**
- **Flexible grade book with options to have unlimited categories of assessments.**
- **Smart assessment authoring system with various question type, more focus on Free Response type.**
- **Auto generation of module study plan assignments with learning activities as pre-requisites.**
- **Use of master section concept to maintain consistency for learning, assessment and all rules of engagement across various groups of students.**
- **Centralized management of features; lock/unlock permissions to group support persons.**
- **Enforce integrity, consistency across all groups; same assessments, same grade book, same schedule, same policies.**
- **Educo extends its support to perform most of the admin tasks on request.**
- **Progress reports; for individual student, by group, or by course.**

Module Completion and Status Report

Passed module-1: 11	diagnostic : 2	mastery : 8	Exempted : 1	Avg completion time : 28 days	Pass rate : 92%
Passed module-2: 11	diagnostic : 4	mastery : 6	Exempted : 1	Avg completion time : 30 days	Pass rate : 92%
Passed module-3: 9	diagnostic : 0	mastery : 8	Exempted : 1	Avg completion time : 7 days	Pass rate : 75%
Passed module-4: 9	diagnostic : 2	mastery : 5	Exempted : 2	Avg completion time : 2 days	Pass rate : 75%
Passed module-5: 10	diagnostic : 4	mastery : 3	Exempted : 3	Avg completion time : 0 days	Pass rate : 83%
Passed module-6: 9	diagnostic : 6	mastery : 1	Exempted : 2	Avg completion time : 0 days	Pass rate : 75%
Passed module-7: 8	diagnostic : 2	mastery : 4	Exempted : 2	Avg completion time : 3 days	Pass rate : 67%
Passed module-8: 7	diagnostic : 1	mastery : 2	Exempted : 4	Avg completion time : 0 days	Pass rate : 58%
Passed module-9: 7	diagnostic : 2	mastery : 4	Exempted : 1	Avg completion time : 2 days	Pass rate : 58%

#	Student	Tut Time	M-1	M-2	M-3	M-4	M-5	M-6	M-7	M-8	M-9
1.	Berrueta,Alexander	4:44:59	87%	100%	90%	88%	100%	92%	A		
2.	Clay,Barbara	5:20:34	100%	92%							
3.	Elzey,Catherine	20:13:12	100%	80%	99%	E	80%	92%	100%	W	
4.	Hollis,Arnecia	7:34:07	93%	80%	90%	88%	93%	92%	80%	E	100%
5.	Lawson,Angela	1:04:16	80%	90%	W						
6.	McGivoney,Travis	3:51:01	93%	93%	1/1%	88%	87%	92%	80%	80%	88%
7.	Neal,Gloria	37:36:05	93%	80%	81%	88%	100%	80%	80%	83%	100%
8.	Potts,Kenel	2:35:29	87%	100%	100%	E	E	100%	93%	E	E
9.	Rowley,Marva	0:01:13	87%	93%	87%	90%	E	E	E	E	83%
10.	Smith,Kierra	7:23:48	80%	83%	91%	88%	100%	100%	90%	92%	88%
11.	Staples,Jaquisha	0:00:00	80%	100%			E				
12.	White,Pamela	1:42:38	80%	80%	81%	88%	100%	E	90%	80%	83%

Intervention needed

Exempted

Module score

Working on study plan