



24th May

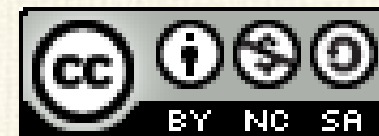
Organic Chemistry of Food

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Mentor-Dr. Indira Koneru

<https://www.open.edu/openlearncreate/course/view.php?id=3984>

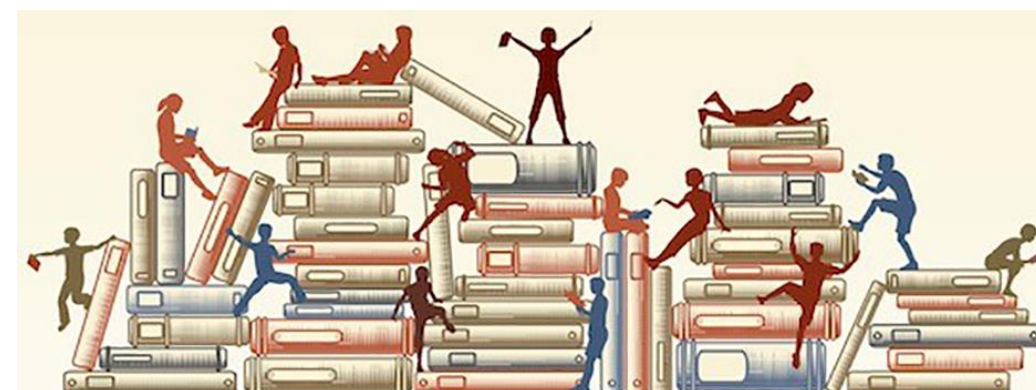
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14th June

Introduction

- Organic Chemistry - Affects our lives in many ways
 - Key to several natural phenomena
 - Essential to solve modern challenges
- Aim was to ignite interest in Chemistry by relating it to everyday life
- Anyone with an interest in Chemistry
- Education for Sustainable Development



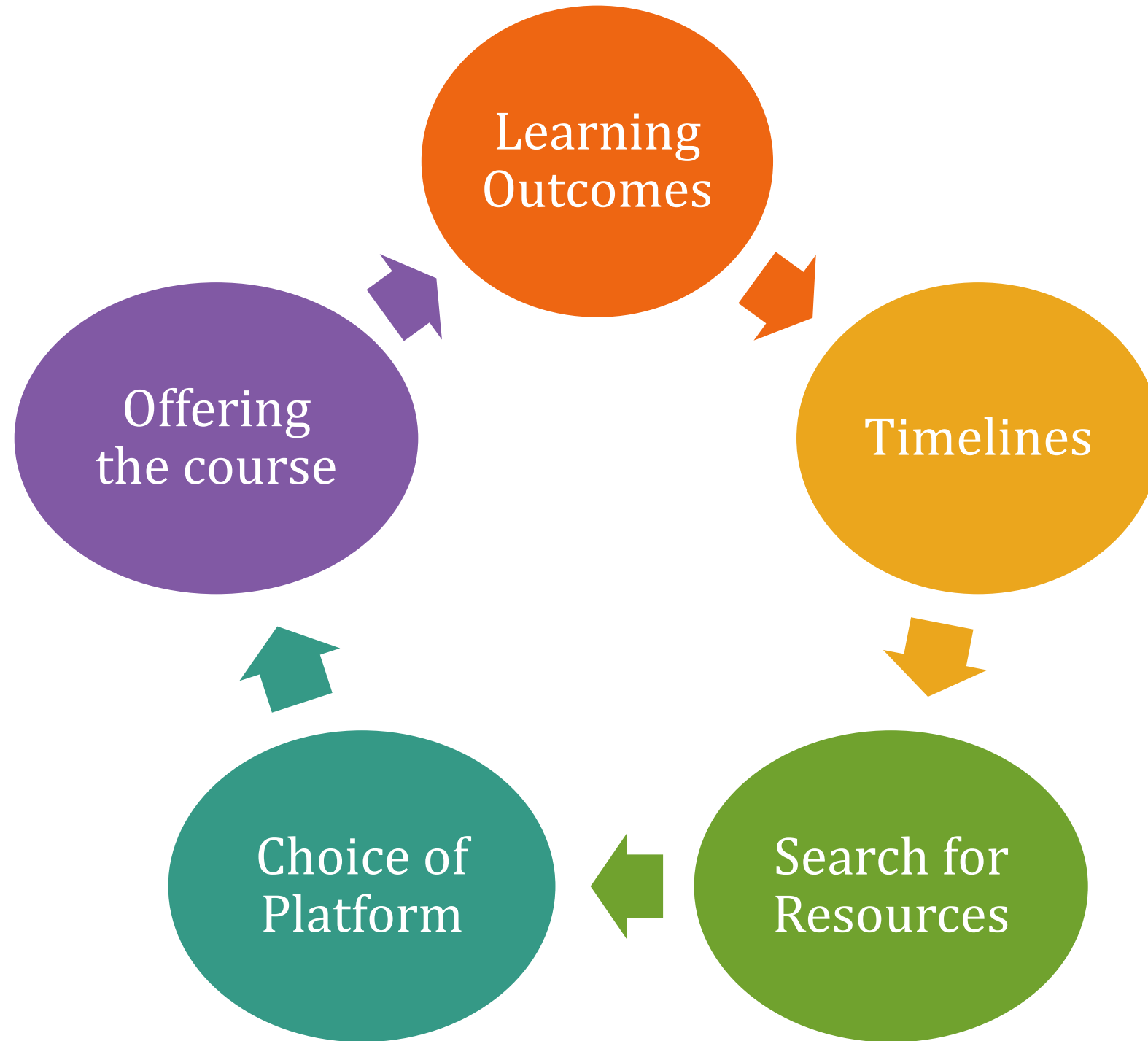
Course Content

- Three modules
 - Nutrients in food – Classification and roles
 - Animal sources of Food - Types and Care
 - Other Aspects – Additives, Preservation, Spoilage and Processing



➤ Free to use resources	➤ Structure of Course
▪ Videos	▪ Three weeks, Introductory Level
▪ TedEd Talks	▪ Quiz for Formative Assessment
▪ Documents	▪ Course Enrollment Form
	▪ Course Evaluation Form
	▪ Learning Log
	▪ Discussion Form

Designing The Course



- Learning Outcomes - With help from Mentor
- Timelines - Broad Outline by Hub Coordinator
- Contents - Search of available Open resources
- Choice of Platform
- Planning Order of topics
- Assessment

The screenshot shows a web browser window displaying the OpenLearn Create course management interface. The browser's address bar shows the URL: <https://www.open.edu/openlearncreate/course/view.php?id=3984¬ifieditingon=1>. The page header includes the OpenLearn Create logo, the text "Create and publish your own free courses", and a search bar. The user is logged in as "Gomathi Shridhar" and can see navigation links for "Home", "Get started", "Create a course", "Free courses", "Collections", and "My Profile". The main content area displays a course titled "Week 1. Nutrients in food" with a description: "Food composition is complex and is generally studied in terms of the nutrients each type of food provides. The macronutrients in food are the carbohydrates, proteins, fats and oils while the micronutrients are mainly the vitamins and minerals. Each of these is dealt with in the following sections." Below the description, there are three sections of content, each with a "Restricted" warning: "Not available unless: The activity [Section Name] is marked complete". The sections are: 1.1 The Staples - Carbohydrates, 1.2 The Building blocks - Proteins, and 1.3 The Energisers - Oils and Fats. Each section has an "Edit" link and a "Quiz" link. The bottom of the screenshot shows the Windows taskbar with the search bar and system tray.

Implementation

- Announcement of Course
- Course Enrollment
- Start - 24th May 2019 and End – 14th June 2019
- Periodic reminders on WhatsApp groups
- Course Evaluation

Deployment of Course

Main challenges	Overcome by
Length of topics and resources	Review By Colleague
Choice of resources	Most informative visual resources
Bias towards informative resources	Given as additional resources
Assessment	No summative Assessment

Lessons Learnt

- Learning outcomes – Don't be overambitious
- Understand functionalities of 1-2 platforms before search
- Resources - Short is Sweet and read
- Open courses - Self paced, Learners cannot be hurried
- Management of discussion forums to maintain engagement
- Strong formative assessment
- Tools-Active Presenter, H5P, Embedding videos, Aiken format for quizzes etc.

Role of OE4BW

- Motivation to implement a long standing idea
- Structure - Call for proposals, Articulation of goals, Hub model, Mentors
- Funding for Travel
- Presentation for exchange of ideas

Future Plans

- Use of open courses and resources for graduate and postgraduate courses
- Use of platforms for their advantages like flexibility, easy formative assessment, visual impact etc.
- Write a paper on this experience and share with a wider audience.

Acknowledgements

- OE4BW
- Hub Coordinators Prof. Kamat and Dr. Shinde
- Mentor Dr.Indira Koneru
- Dr.Lakshmy Ravishankar
- V.K.Krishna Menon College

THANK YOU