Meet the Facilitator

Dr Krishna Raghuwaiya obtained his PhD in Applied Mathematics from the University of the South Pacific, in 2016.

He has taught at the Fiji Institute of Technology (now Fiji National University), and is currently Senior Lecturer in Education (Mathematics) at the University of the South Pacific.

PACFOLD / COL

The Pacific Centre for Open and Flexible Learning for Development (PACFOLD) is hosted by the University of the South Pacific and is a 'network of networks' to empower Pacific communities through lifelong learning, skills development and overall access to quality learning opportunities. The Centre's priorities include advocacy and capacity building for flexible and open learning for sustainable development as well as the development of national and regional policies related to open and distance learning. PACFOLD was established in 2013.

The Commonwealth of Learning (COL) is an intergovernmental organisation created by Commonwealth Heads of Government in 1987 to promote the development and sharing of open learning and distance education knowledge, resources and technologies. Hosted by the Government of Canada with headquarters in Burnaby, British Columbia, COL is the world's only intergovernmental organisation solely concerned with the promotion and development of distance education and open learning. COL supports five regional centres located throughout the Commonwealth, including PACFOLD.

Certificate of Achievement

This course offers a Certificate of Achievement. To be eligible for a Certificate of Achievement, participants need to: Attempt and score at least 50% or more in Quizzes 1 and 2. All certificates will be issued during the last week of the course.

Registration

To register, please go to:
https://learn.uspglobal.usp.ac.fj

For more information:

Phone: +679 323 2352

Email: openedu@usp.ac.fj

Contact at PACFOLD:

openedu@usp.ac.fj

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MOOC

FUN MOOC

The Functional Numeracy Massive Open Online Course

Starting 3 February 2020

Course Description

This Massive Open Online Course (MOOC) will provide learners with a good foundation of mathematics, comparable to course content in Year 10 or higher. The aim of the course is to improve people's math skills for everyday life. Good math skills can be referred to as numeracy, and means the ability to access, use and interpret mathematical information and ideas in everyday life. To have adequate numeracy means to confidently and effectively use mathematics to meet the everyday demands of life.

Numeracy is important for individuals to develop logical thinking and reasoning strategies in their everyday activities. We need numeracy to solve problems and make sense of numbers, time, money, patterns and shapes for activities like cooking, reading receipts, reading instructions and even playing sport.

This online course is designed to develop better understanding of and familiarity with numbers. One of the aims of school math is to develop students' number sense, which concerns a level of comfort and familiarity with numbers.

Learning Outcomes

On successful completion of this course, students are expected to be able to:

- Use numbers and other math concepts for everyday life;
- Classify different number systems and how they relate;
- Explore the main ideas of counting and working mentally in everyday life; and
- Carry out simple calculations to test number sense.

Who Should Participate?

Functional Numeracy is designed for learners from diverse backgrounds, from primary school students to post-secondary and vocational students. You will benefit from this course as it teaches basic everyday math. Anyone interested in improving their math skills would enjoy participating in this MOOC.

Course Details

MODULE 1 (Week 1):

Learners will explore a wide range of simple calculations such as:

- Addition;
- Subtraction;
- Multiplication; and
- Division of whole numbers, decimals and fractions.

The learners will then investigate order of calculation and arithmetic of decimals, fraction, and negative numbers.

MODULE 2 (Week 2):

Learners will examine the following concepts:

- Percentage calculation;
- Estimation (and how to roundup number to the nearest digit);
- Simple interest;
- Compound interest; and
- Calculating time difference.

MODULE 3 (Week 3):

Learners will be exposed to the topic of Geometry. This includes:

- Different types of shapes in math;
- Types of angles;
- Polygons, plane figures, and two dimensional shapes;
- Types of triangles;
- Quadrilaterals;
- Calculating perimeters; and
- Calculating areas of given shapes.

MODULE 4 (Week 4):

Learners will explore the following methods of data analysis and presentation:

- Graphical representation (line graph, bar graph, pie chart);
- Measures of central tendency;
- Calculating mean, median and mode; and
- Measure of dispersion.

MODULE 5 (Week 5):

Learners will explore the following in respect to chance and uncertainty:

- Calculating probability; and
- Counting using a tree diagram.