

CENTRE FOR AMERICAN EDUCATION

Orientation Programme, March 2020 intake



DAY 1 – 23 March 2020 (MONDAY)		
TIME	ACTIVITY	VENUE
8.30 am	Registration	Sunway University Foyer
8.45 am	Light Refreshment <i>(food is provided)</i>	
9.00 am	“Getting to Know You” & Presentation of Students’ Events <i>by CAE Student Committee</i>	FR 2 (Level 1, Sunway University)
10.00 am	“Campus Tour” <i>by CAE Student Leader</i>	
10.30 am	Subject Advising and Selection of Subjects <i>by CAE Staff</i>	
11.30 am	Online Subject Enrolment <i>by Ms. Shamni and student leader</i>	UW 2-9 & UW 2-10 (Level 2, Sunway University)
12.30 pm	LUNCH BREAK <i>(food is provided)</i>	FR 2 (Level 1, Sunway University)
2.00 pm	English Placement Test	NE-3-1/3-8, (Level 3, Sunway College)
4.00 pm	Mathematics Placement Test	

Attachment 1: Guide for Placement Test

MATHEMATICS PLACEMENT TEST

- MATH 1024 Pre-Calculus covers a wide range of topics. It is highly recommended for students to take this subject. This subject is required by the ADTP Science and Engineering students. It is optional for the students enrolled under ADTP Arts. However, more competitive business schools in the U.S. will require students to take Pre-Calculus. Students opting for Liberal Arts major may take the lower level Mathematics subject, which is MATH 1013 Finite Mathematics.
- Students will be exempted from taking Mathematics Placement Test and MATH 1024 Pre-Calculus subject if they fulfil any one of the following criteria:
 - STPM/A-Level: Grade C and above in Mathematics T/Mathematics S
 - SPM: A+ in Additional Mathematics
 - UEC: Grade 2 and above in Advanced Mathematics I & II
 - IGCSE: A* in Additional Mathematics
- Students who qualify for the exemption but decided to sit for the mathematics placement test, and failed the placement test, will be required to take the subject MATH 1024 Pre-Calculus.
- Topics covered:

Topics	Example
Calculation on fraction numbers	$2 - \frac{4}{7} + \frac{1}{3}$
Logarithms	Use identities to solve logarithm equation, for example, $\log_2 x + \log_2 5 = 3$ etc.
Surds	Simplify $\sqrt{2} + \frac{1}{\sqrt{2}}$, $\frac{1}{\sqrt{2}-1} + \frac{1}{\sqrt{2}+1}$, etc.
Indices	Solve $5^{3x} = 125^x$, $5^x - 7 = 0$, etc.
Polynomial	Factorize $x^2 + y^2 + x^4 - y^4$, express x in terms of y and z from an expression $x + y^2 = 3xz - y^4$, etc.
Solving Quadratics Equations	Use formula to solve $x^2 = 3x + 7$, etc.
Solving Inequalities	Solve $(x+2)(3-x)(2x-7) < 0$, $\frac{(x+2)(3-x)(2x-7)}{(2x-3)(x+4)} \leq 0$, etc.
Functions	Find inverse function f^{-1} and composite function $f[g(x)]$, etc.
Trigonometric functions	Find $\sin x$, $\cos x$, $\tan x$ from a triangle. Application of the properties of double angle formula.
Geometry	Find slope, equation of a straight line
Calculus	$\frac{d}{dx}(3x^4 - 7\sqrt{x})$, $\int_1^2 x^3 + \frac{3}{\sqrt{x}} dx$, etc.

- Some important formulas are given, but **NO CALCULATOR IS ALLOWED**.
- Please check your result on 25th March 2020 (Wednesday), 10am at the CAE Admin Office.

ENGLISH PLACEMENT TEST

1. ENGL 1014 Fundamentals of College Writing (English Composition 1) is taken by all students in the U.S., including American students. It is to assist students to transcend from high school essays to university essays.
2. The English Placement Test is **COMPULSORY** for all students.
3. Criteria **NOT** to take the placement test: Students who attended/passed Intensive English Program (IEP) in the previous semester.
4. Topics covered:
Sentence check, grammar, spelling, punctuation and essay.
5. Please check your result on 25th March 2020 (Wednesday), 10am at the CAE Admin Office.
6. English Placement Test Result:

<i>Students with written score:</i>	
6.0 and above	Exempted from ENGL 1014
5.0 - 5.5	Advise students to take ENGL 1014
4.5 and below	Advise students to attend the Intensive English Program (IEP) test.