**DETAILED COURSE INFORMATION**

Approval Reference:

**FACULTY OF BIORESOURCE AND FOOD INDUSTRY**

Reminder : The content of this course information cannot be changed without the

approval of the Faculty/Centre Academic Committee.

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|  | Name of Course/Module : SUPPLY CHAIN MANAGEMENT |
|  | Course Code : ABB 25203 |
|  | Name of academic staff : (i) Assoc Prof Dr Nalini Arumugam (COORDINATOR) |
|  | Programme : BACHELOR OF AGRIBUSINESS |
|  | Course Category : ELECTIVE PROGRAMME  |
|  | Semester and Year offered :SEMESTER 2 YEAR 2 |
|  | Credit Value :3 |
|  | Prerequisite (if any): NONE |
|  | Synopsis : Students develop the ability to conceptualize, design, and implement supply chains aligned with product, market, and customer characteristics. Business competition is now between supply networks rather than individual corporations. Managing the flow of products, information, and revenue across supply chains differentiates the ability of supply networks to fulfill customer needs. Students develop the ability to evaluate how information flows can substitute for the stock of physical resources, such as inventory, and why such systems succeed or fail. |
|  | Programme Learning Outcomes (PLOs) Upon completion of this programme, student should be able to :1. Memperolehi dan mengaplikasi pengetahuan perniagaantani yang bersifat kotemporari sesuai dengan keperluan semasa. **(MQF 1 & 2)**
2. Menggunakan pengetahuan maklumat melalui teknologi dan komunikasi dalam penyelesaian masalah berdasarkan pemikiran kritikal. **(MQF6)**
3. Berfikiran kreatif, inovatif dan kritis dalam menyelesaikan isu-isu semasa dengan menggunakan pendekatan saintifik dalam bidang perniagaantani. **(MQF6)**
4. Berupaya berkomunikasi secara berkesan, cekap serta memiliki jaringan sosial yang luas. **(MQF 3 & 5)**
5. Menggunakan prinsip pengurusan dalam aktiviti perniagaantani serta berkebolehan mengenalpasti peluang dan arus global. **(MQF 8)**
6. Mengurus maklumat untuk pengembangan kerjaya dan pembelajaran sepanjang hayat. **(MQF 7)**
7. Mengurus dan mempunyai ciri keusahawanan yang boleh digunakan untuk meneroka dan merebut peluang perniagaan dan pekerjaan. **(MQF 8)**
8. Mempamerkan tahap profesionalisme, daya saing dan integriti. **(MQF 4)**
9. Menguasai dan mengaplikasi kemahiran interpersonal dan berpasukan. **(MQF 5)**
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|  | Course Learning Outcomes (CLOs) At the end of this course, students should be able to :CLO1 : Analyze the key concepts and technique of supply chain process in different industries and market (C4)CLO2 : Manage and Improve the supply chain performance (C4)CLO3 : Assess supply chain performance and make recommendations to increase supply chain competitiveness.(C5) |
|  | Course Learning outcomes (CLO) and mapping to the PLO/ MQFs :

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | MQF1 | MQF2 | MQF3 | MQF4 | MQF5 | MQF6 | MQF7 | MQF8 |
| CLO1 |  |  |  |  |  | / |  |  |
| CLO2 |  |  |  |  |  | / |  |  |
| CLO3 |  |  |  |  |  |  |  | / |

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|  | Transferable Skills: Problem solving, scientific skills and life-long learning |
| 1.
 | Content outline of the course/module and the SLT  |
|  | **CLO** | **Topic** | **Face to Face****L=Lecture, T = Tutorial, P = Practical , O = Others ( include Assessments)** | **Self Learning** | **TLT** |
| **L** | **T** | **P** | **O** |  |  |
| **CLO1****CLO2** | Topic of Lectures:1. Understanding the supply chain (SC)
2. Supply Chain Performance
3. Supply chain Drivers & Metrics
4. Designing Distribution Networks & Applications to Online Sales
5. Network Design in the SC
6. Demand forecasting in SC
7. Aggregate Planning in SC
8. Coordination in SC
9. Managing Economies of Scale in SC
10. Managing Uncertainty in SC
11. Transport in SC
12. Sourcing Decisions in SC
13. Pricing and Revenue Management
14. Sustainability & SC
 | 42 |  |  |  | 48 | 90 |
| **CLO 1****CLO 2** | Case Study 1Case Study 2Case Study 3Case Study 4 |  |  |  |  | 10 | 20 |
| **CLO 1****CLO 2** | Test 1Test 2Final |  |  |  | 222 | 444 | 18 |
| **CLO3** | Project PaperPresentation |  |  |  | 2 | 6 | 8 |
| Total | 42 | 0 | 0 | 8 | 76 | 121 |
| **Total Notional Hours** | 42 | 79 | 121/40 |
| **Credit Hours** | 3 |
|  | Main references supporting the course (the latest 5 years)1. Sunil Chopra & Peter Meindl (2017). Supply Chain Management: Strategy, Planning, and Operation 6th Edition, Kindle Edition
2. Madeleine Pullman & Zhaohui Wu (2011). Food Supply Chain Management: Economic, Social Environmental Perceptives. Routledge.
3. David Blanchard (2010), Supply Chain Management Best Practices, 2nd. Edition, John Wiley & Sons, [ISBN](https://en.wikipedia.org/wiki/International_Standard_Book_Number%22%20%5Co%20%22International%20Standard%20Book%20Number) [9780470531884](https://en.wikipedia.org/wiki/Special%3ABookSources/9780470531884)
4. http://www.fao.org/ag/ags/publications/docs/AGSF\_OccassionalPapers/agsfop17.pdf
5. Khairul Anuar Rusli, Azmawani Abd Rahman and Ho, J.A. Green Supply Chain Management in Developing Countries: A Study of Factors and Practices in Malaysia. Paper presented at the 11th International Annual Symposium on Sustainability Science and Management (UMTAS) 2012, Kuala Terengganu, 9–11 July 2012.
6. Simchi-Levi D., Kaminsky P., Simchi-levi E. (2007), Designing and Managing the Supply Chain, third edition, Mcgraw Hill
 |

16. Course Assessment Plan:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **CLO** | **PLO/MQF LOD** | **Delivery Method** | **Assessment Method / Component****(the components must align with CLO and PLO mapping)** | **Special Task and the Related PLO/MQF LOD** | **Student Learning Time****(SLT)** |
| **Tests** | **Projects/OSPE** | **EOS** |
| 1 | **CLO1** Analyze the key concepts and technique of supply chain process in different industries and market (C4) | MQF 6 | Lecture, Self-Directed Learning | 20% | - | 20% | Examination & tests related to the supply chain management require student to emphasize the attribute of ‘PROBLEM SOLVING AND SCIENCETIFIC SKILLS’ in MQF6. | 54 |
| 2 | **CLO2**Manage and Improve the supply chain performance (C4) | MQF 6 | Lecture, Self-Directed Learning | 20% | - | 20% | Examination & tests related to the supply chain management require student to emphasize the attribute of ‘PROBLEM SOLVING AND SCIENCETIFIC SKILLS’ in MQF6. | 54 |
| 3 | **CLO3**Assess supply chain performance and make recommendations to increase supply chain competitiveness. **(A3)** | MQF 8 | Group work & Discussion | - | 20% | - | Presentation and written test related to the weed management approach for controlling and managing weeds in Malaysia requires student to emphasize the attribute of ‘Entrepreneurial and Managerial Skills’ in MQF8. | 18 |
|  | **TOTAL** | 40% | 20% | 40% | - | 126 |

\* Fill in the % weightage of each assessment

Example : Examination, Presentation, Assignment etc

1. Course Learning Plan :

|  |  |  |
| --- | --- | --- |
| **CLO** | **Learning Time** | **Student Learning Time** |
| **Face to Face** | **Self Learning** | **Assessment** |
| CLO 1 | 20 | 52 | 4 | 76 |
| CLO 2 | 16 | 9 | 0 | 25 |
| CLO3 | 0 | 18 | 2 | 20 |
| **TOTAL** | 36 | 79 | 6 | 121 |

ENDORSEMENT :

|  |  |
| --- | --- |
| Prepared by: Course Coordinator / Lecturer :....................................................(Signature and Official Stamp)Date: | Checked by :Head of School :....................................................(Signature and Official Stamp)Date: |
| Verified (1) by:Deputy Dean (Academic & Graduate):......................................................(Signature and Stamp)Date: | Verified (2) by:Deputy Director (Academic Development):......................................................(Signature and Stamp)Date: |