



Technical Education  
and Skills Development Authority

# Webliography

The Webliography is an electronic bibliographic listing of topics related to the qualification titles of a particular TVET priority sector, with pre-searched *URLs* (uniform resource locators) and descriptions (abstracts).

The pre-searched *URLs* provide contents in reference to the title of promulgated Training Regulations (TR). By clicking the weblinks (underlined *URLs* in blue text), your internet browser will direct you to the website/webpage where you can find the topic related to the title you selected. The Webliography is a useful tool for trainers who are designing and developing competency-based curriculum and learning materials.

[TESDA](#) » [Webliography](#) » [Agriculture, Forestry and Fishery Sector](#)

## INTERNET RESOURCES

### Agriculture, Forestry and Fishery sector

#### Scope:

Scope: this refers to cultivation of crops through soils and other medium growing of trees, raising of livestock, poultry, or fish w/c includes harvesting, processing and marketing of product of farm activities and practices.

#### Source:

<http://www.dole.gov.ph/nationalsummit/Think>

#### List of qualifications:

- Agricultural crops production NC I & III
- Agricultural machinery operation NC II
- Agroentrepreneurship NC II, III & IV
- Animal health care and management NC III
- Animal production NC II
- Aquaculture NC II
- Fish capture NC I & II
- Fish port/wharf operations NC I
- Fishing gear repair and maintenance NC II
- Horticulture NC II & III
- Landscape installation and maintenance (softscape) NC II
- Pest management (vegetable) NC II
- Rice machinery operations NC II

#### ❖ Career profiles for agribusiness

<http://www.mc.maricopa.edu/students/career/documents/Agribusiness.pdf>

This webpage from Maricopa.edu consists of two(2) web pages of career profiles and provides the advancement, projected job growth, forms for completion during internships/ assessment.

[Retrieved July 29, 2009]

#### ❖ Closing the productivity gap in agribusiness

<http://siteresources.worldbank.org/INTPHILIPPINES/Resources/Dy-word.pdf>

This webpage provides a report that focuses on the analysis of Philippine agriculture in comparison to selected Asian countries and discusses the factors that influence agribusiness investment.

[Retrieved July 23, 2009]

#### ❖ PH service sector seen winner in ASEAN 2015

<http://mb.com.ph/ph-service-sector-seen-winner-in-asean-2015/>

This webpage describes the Philippine's status in the ASEAN business sector based on studies.

[Retrieved July 23, 2009]

#### ❖ Occupational health and safety in the care and use of nonhuman primates

[http://www.nap.edu/catalog.php?record\\_id=10713](http://www.nap.edu/catalog.php?record_id=10713)

"This webpage provides researches on the new infectious hazards are importance at nonhuman-primate facilities, an example that B virus be transmitted via splash..."

[Retrieved July 24, 2009]

#### ❖ Risk management: the principles underlying the design and implementation of an OHSP

[http://www.nap.edu/catalog.php?record\\_id=10713](http://www.nap.edu/catalog.php?record_id=10713)

"This is a searchable site; free PDF access and twenty-three(23) web pages of document, It provides guidance to the regulatory authorities for the use of regulation of medical devices, and subject for consultation throughout the development.."

[Retrieved July 24, 2009]

## INTERNET RESOURCES

Qualification:

### Agricultural Crops Production NC I

This qualification consists of competencies that a person must achieve in the production of crops such as rice, vegetables, fruits and nuts as well as many others. Workers operating at this level and using these competencies would be working without previous experience in this industry sector. They would be undertaking a small range of skills and they would be under constant supervision or working alongside a more competent worker with some supervisory skills. They would be undertaking basic crop husbandry and work orientation skills.

Basic Competencies:

- Receive and respond to workplace communication
- Work with others
- Demonstrate work values
- Practice basic housekeeping procedures

Common Competencies:

- Apply safety measures in farm operations
- Use farm tools and equipment
- Perform estimation and calculations
- Apply basic first aid

Core Competencies:

- Support horticultural crop work
- Support nursery work
- Support agronomic crop work
- Support irrigation work

#### ❖ Workplace Communication: Importance, Strategies & Examples

<https://study.com/academy/lesson/workplace-communication-importance-strategies-examples.html>

This webpage provides recommended lessons and courses in workplace communication. It also includes definition and important advantages.

[Retrieved January 3, 2019]

#### ❖ Working with Others

<https://www.macmillanihe.com/studentstudyskills/page/Working-with-others/>

This webpage provides information on team and group project work. It includes people skills, skillful listening, group work and teamwork, and support groups.

[Retrieved January 3, 2019]

#### ❖ Understanding Workplace Values

<https://www.mindtools.com/pages/article/understanding-workplace-values.htm>

This webpage shows how to find people who fit your organization's culture. It includes the importance of workplace values, core values in the workplace, and how to understand people's workplace values.

[Retrieved January 3, 2019]

#### ❖ Practice good housekeeping in the workplace

<https://www.safetyandhealthmagazine.com/articles/9287-practice-good-housekeeping-in-the-workplace>

This webpage provides information on good housekeeping practices including occupational health safety. It includes links to related articles on housekeeping in the workplace.

[Retrieved January 3, 2019]

#### ❖ Farm Implements and Safety practices in using farm tools and equipment

<https://www.slideshare.net/RochelleNato/farm-implements-and-safety-practices-in-using-farm-tools-and-equipment>

This webpage provides downloadable information on farm implements and safety practices in using farm tools and equipment.

[Retrieved January 3, 2019]

#### ❖ Lesson 1 Use of Farm Tools and Equipment

<https://www.slideshare.net/RochelleNato/lesson-1-use-of-farm-tools-and-equipment>

This webpage provides downloadable information on the use of farm tools and equipment.

[Retrieved January 3, 2019]

#### ❖ Perform Estimation and Basic Calculation

<https://prezi.com/muel0ryjurvp/perform-estimation-and-basic-calculation/>

This webpage provides a Prezi presentation to perform estimation and basic calculation that also includes full transcript of the topic.

[Retrieved January 3, 2019]

#### ❖ Basic First Aid

<https://articles.extension.org/pages/66375/basic-first-aid>

This webpage provides information in first aid training for different types of injuries and conditions. It includes some videos on related topics.

[Retrieved January 3, 2019]

#### ❖ Major Crops Statistics of the Philippines – Regional and Provincial

<https://psa.gov.ph/content/major-crops-statistics-philippines-regional-and-provincial>

## INTERNET RESOURCES

This webpage provides information on major crops statistics of the country's provinces from 2002-2014.

[Retrieved November 21, 2018]

### ❖ Agronomic Crops Distinguished from Horticultural Crops

<https://www.cropsreview.com/agronomic-crops.html>

This webpage provides an explanation in the use of the terms agronomic and horticultural.

[Retrieved November 21, 2018]

### ❖ Production Horticulture Introduction to Module 5

[http://dera.ioe.ac.uk/5120/78/Ho\\_module5\\_Redacted.pdf](http://dera.ioe.ac.uk/5120/78/Ho_module5_Redacted.pdf)

This webpage provides a module on production horticultures with skills checklist in order to produce quality plants.

[Retrieved November 21, 2018]

### ❖ What does a nursery worker do?

<https://www.sokanu.com/careers/nursery-worker/>

This webpage provides answers to inquiries on the career of a nursery worker.

[Retrieved November 21, 2018]

### ❖ Methods of Cultivation

<http://www.pharmatutor.org/pharmacognosy/cultivation-methods.html>

This site contains different methods of cultivation, its advantages and disadvantages.

[Retrieved October 1, 2015]

### ❖ Irrigation and Drainage Work

<https://www.worldbank.org/en/topic/irrigationdrainage/overview>

This webpage provides information about irrigation and drainage work on agricultural environment.

[Retrieved November 21, 2018]

### ❖ Production Practices

<http://www.farmbiosecurity.com.au/essentials-toolkit/production-practices/>

This webpage provides information on farm safety including the implementation of biosecurity measures in managing the farm.

[Retrieved November 21, 2018]

### ❖ Good Agricultural Practices

<https://ncfreshproducesafety.ces.ncsu.edu/ncfreshproducesafety-good-agricultural-practices/>

This webpage provides basic environmental and operational conditions necessary for the production of safe, wholesome fruits and vegetables.

[Updated November 26, 2018]

### ❖ How to Participate in Workplace Communications

<https://careertrend.com/participate-workplace-communication-2325.html>

This webpage provides information on the importance of workplace communication. It also provides links to workplace communication related topics.

[Retrieved January 3, 2019]

### ❖ Working in a Team Environment: Definition & Skills

<https://study.com/academy/lesson/working-in-a-team-environment-definition-skills-quiz.html>

This webpage provides information on working in a team environment with video related to the topic.

Qualification:

## Agricultural Crops Production NC II

This qualification consists of competencies that a person must achieve to produce various agricultural crops which include performing nursery operations, planting, caring and maintaining of crops and carrying-out harvest and postharvest operations.

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### Basic Competencies:

- Participate in workplace communication
- Work in a team environment
- Practice career professionalism
- Practice occupational health and safety procedures

### Common Competencies:

- Apply safety measures in farm operations
- Use farm tools and equipment
- Perform estimation and calculations
- Process farm wastes
- Perform record keeping

### Core Competencies:

- Perform nursery operations
- Plant crops
- Care and maintain crops
- Carry-out harvest and postharvest operations

[Retrieved January 3, 2019]

#### ❖ Practicing Career Professionalism, Part 1

<https://hubpages.com/business/Practicing-Career-Professionalism-Part-1>

This webpage provides information on practicing career professionalism with related topics in personal development.

[Retrieved January 3, 2019]

#### ❖ Practice Occupational Safety and Health Procedures

<https://www.slideshare.net/MaryjoyElynethDuguran/practice-occupational-safety-and-health-procedures>

This webpage from slideshare provides a slide show to practice occupational safety and health procedures with transcript.

[Retrieved January 3, 2019]

#### ❖ Industrial Waste Processing and Recovery

<http://www.rgrecycling.co.uk/pages/industries/agricultural-waste-recycling>

This webpage provides information in modern agricultural waste processing, separation and sorting, and agricultural recycling equipment with links to related topics.

[Retrieved January 3, 2019]

#### ❖ How to Keep Farm Records

<https://www.thespruce.com/how-to-keep-farm-records-3016896>

This webpage provides information in the importance of keeping farm records with links to related topics.

[Retrieved January 3, 2019]

#### ❖ Planting plans

<http://www.njlandscapes.com.au/planting-plan/>

This webpage maps out what plants to put where, creating a landscape that optimizes the resources you have available and takes into consideration the specific amount of space available, the aspect, the soil conditions and the desired effect you want to achieve. It graphically shows the exact location, sizes and species of all new and existing plants within the garden.

[Retrieved October 1, 2015]

#### ❖ Plan before you plant

<https://mdc.mo.gov/trees-plants/seedlings-order-and-planting-guide/planting-guide>

This webpage help you create a good planting plan. It will guide you on proper site preparation, planting stocks, matching tree species with site soils, proper planting methods and protection and care after planting.

[Updated November 26, 2018]

#### ❖ Interpreting a planting plan

[http://www.jsw.org.au/elearning/hortII/PlantTreesAndShrubs/content\\_sections/html\\_pages/203a\\_1\\_page3.htm](http://www.jsw.org.au/elearning/hortII/PlantTreesAndShrubs/content_sections/html_pages/203a_1_page3.htm)

This webpage contains information on how to interpret planting plans correctly before planting.

[Retrieved October 1, 2015]

#### ❖ Methods of Cultivation Adopted by Farmers for Increasing Production

<http://www.yourarticlelibrary.com/cultivation/methods-of-cultivation-adopted-by-farmers-for-increasing-production/10797/>

This webpage contains two methods of cultivation adopted by farmers for increasing production, with pictorial illustrations.

## INTERNET RESOURCES

[Retrieved October 1, 2015]

### ❖ What are the Different Methods of Plant Cultivation?

<http://www.wisegeek.com/what-are-the-different-methods-of-plant-cultivation.htm>

This webpage contains a wide array of methods, practices and styles of plant cultivation, from flowers and foliage plants to vegetables and herbs.

[Retrieved October 1, 2015]

### ❖ Mixed farming and intensification of animal production systems

<http://www.fao.org/wairdocs/ilri/x5462e/x5462e0i.htm>

This webpage pertains to the types of mixed farming and importance intensive crop –animal production system ...

[Retrieved July 29, 2009]

### ❖ Organic e-prints:

<http://www.organicresearchcentre.com/?go=information%20and%20publications&page=Organic%20FM%20Handbook>

This webpage is an open access to a full text article with related research on organic agricultural production.

[Retrieved July 29, 2009]

### ❖ Agricultural training institute

<http://ati.da.gov.ph/ati-main/search/node/agricultural%20crop%20production>

This webpage is the home of e-extension in the Philippines under the Department of Agriculture featuring agriculture-related issues and events.

[Updated November 26, 2018]

### ❖ Lead Workplace Communication

<https://www.coursehero.com/file/14771162/Lead-Workplace-Communication/>

This webpage provides information on the topic to lead workplace communication. It also includes links to related topics.

[Retrieved January 3, 2019]

### ❖ 10 Steps to Lead a Small But Effective Team

<https://www.fastcompany.com/3047244/10-steps-to-lead-a-small-but-effective-team>

This webpage provides tips on how to lead a small but effective team including a video on 7 Steps to Building a Dream Team for Your Company.

[Retrieved January 3, 2019]

### ❖ 7 Steps for Effective Problem Solving in the Workplace

<https://www.mediate.com/articles/thicks.cfm>

This webpage provides tips on how to effectively solve problems in the workplace with links to related topics.

[Retrieved January 3, 2019]

### ❖ Chapter 2: Basic Mathematical Concepts and Methods

[https://www.springer.com/cda/content/document/cda\\_downloaddocument/9783642137471-c1.pdf?SGWID=0-0-45-1041143-p174012669](https://www.springer.com/cda/content/document/cda_downloaddocument/9783642137471-c1.pdf?SGWID=0-0-45-1041143-p174012669)

This webpage provides information in basic mathematical concepts and methods including functions of real variables and other related topics.

[Retrieved January 3, 2019]

### ❖ Use of Technology in Agriculture

Qualification:

## Agricultural Crops Production NC III

This qualification consists of competencies that a person must achieve in managing small farm. Specifically it involves competencies in making decision and carrying out competencies in relation to establishment, maintenance and harvesting of agronomic crops such as coarse grains, grain legumes, coffee, coconuts, cotton, soya beans, peanuts and sugar cane. Workers at this level would be working autonomously and likely to own a small enterprise or work within a cooperative structure.

Basic Competencies:

- Lead workplace communication
- Lead small teams
- Develop and practice negotiation skills
- Solve problems related to work activities
- Use mathematical concepts and techniques

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- Use relevant technologies

### Common Competencies:

- Apply safety measures in farm operations
- Use farm tools and equipment
- Perform estimation and calculations

### Core Competencies:

- Prepare land for agricultural crop production
- Implement post-harvest program
- Implement plant nutrition program
- Control weeds
- Prepare and apply chemicals
- Establish agronomic crops
- Undertake agronomic crop maintenance activities
- Undertake agronomic crop harvesting activities
- Save, prepare and store agricultural seed
- Implement vertebrate pest control program

### Elective Competencies

- Follow site quarantine procedures
- Collect samples for a rural production or horticultural monitoring program
- Prepare grain storage
- Comply with industry quality assurance requirements
- Maintain and monitor environmental work practices
- Keep records for farm business
- Perform specialized machinery maintenance
- Install irrigation systems

### Qualification:

## Agricultural Machinery Operation NC II

This qualification consists of competencies that an Agricultural Machinery Operator, Agricultural Tractor Operator, Agricultural Post-harvest Machinery Operator or Agricultural Production Machinery Operator must have in order to

<https://www.useoftechnology.com/technology-agriculture/>

This webpage provides information in using technology for the agricultural industry. It also contains links and pictures related to the topic.

[Retrieved January 4, 2019]

### ❖ ASEAN Guidelines on Soil and Nutrient Management

<https://asean.org/wp-content/uploads/2012/05/7.-ASEAN-Soil-Nutrient-Guidelines.pdf>

This document highlights the voluntary work of the ASEAN Expert Group on Soil and Nutrient Management that contains advises and recommendations regarding agricultural land preparation and uses.

[Updated November 26, 2018]

### ❖ Good Agricultural Practices and Good Handling Practice

<https://www.ams.usda.gov/services/auditing/gap-ghp>

This webpage provides information on the required agricultural practices that address environmental, economic and social sustainability for an on-farm process.

[Updated November 26, 2018]

### ❖ Postharvest management of Fruits and Vegetables

[https://www.springer.com/cda/content/document/cda\\_downloaddocument/9783319091310-c2.pdf?SGWID=0-0-45-1489550-p176838596](https://www.springer.com/cda/content/document/cda_downloaddocument/9783319091310-c2.pdf?SGWID=0-0-45-1489550-p176838596)

This document provides information on postharvest management of fruits and vegetables storage. It also tackles some issues on environmental management and protection of soil and water to achieve sustainable agriculture.

[Updated November 26, 2018]

### ❖ Basic Practices: Postharvest Handling

<https://www.youtube.com/watch?v=2UeMXb7dbyk>

This webpage provides a video presentation on the basic practices postharvest handling of high valued vegetables. It also provide samples of produce that does not meet specifications and farm standards.

[Retrieved October 1, 2015]

### ❖ Post-Harvest Management of Fruits & Vegetables

<https://www.youtube.com/watch?v=1TYbcXxVU0U>

This webpage provides post-harvest management of fruits and vegetables to include handling, palletization, containerization and transportation

[Retrieved October 1, 2015]

### ❖ Food Processing and Post-Harvest Technology

<http://www.fftc.agnet.org/library.php?func=category&type=3>

This webpage provides links to information and issues in agricultural management in Asian countries.

[Updated November 26, 2018]

### ❖ Workplace Communication: Importance, Strategies & Examples

<https://study.com/academy/lesson/workplace-communication-importance-strategies-examples.html>

This webpage provides recommended lessons and courses in workplace communication. It also includes definition and important advantages.

[Retrieved January 3, 2019]

### ❖ Working with Others

<https://www.macmillanihe.com/studentstudyskills/page/Working-with-others/>

This webpage provides information on team and group project work. It

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operate agricultural small production machinery and equipment, operate agricultural large production machinery and equipment and operate agricultural post-production machinery and equipment.

### Basic Competencies

- Participate in workplace communication
- Work in team environment
- Practice career professionalism
- Practice occupational health and safety procedures

### Common Competencies

- Apply Safety Measures in Farm Operations
- Use Farm Tools and Equipment
- Perform Estimation and Basic Calculation

### Core Competencies:

- Operate agricultural small production machinery equipment
- Operate agricultural large production machinery equipment
- Operate agricultural post-production machinery equipment

includes people skills, skillful listening, group work and teamwork, and support groups.

[Retrieved January 3, 2019]

### ❖ Understanding Workplace Values

<https://www.mindtools.com/pages/article/understanding-workplace-values.htm>

This webpage shows how to find people who fit your organization's culture. It includes the importance of workplace values, core values in the workplace, and how to understand people's workplace values.

[Retrieved January 3, 2019]

### ❖ Practice good housekeeping in the workplace

<https://www.safetyandhealthmagazine.com/articles/9287-practice-good-housekeeping-in-the-workplace>

This webpage provides information on good housekeeping practices including occupational health safety. It includes links to related articles on housekeeping in the workplace.

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### ❖ Farm Implements and Safety practices in using farm tools and equipment

<https://www.slideshare.net/RochelleNato/farm-implements-and-safety-practices-in-using-farm-tools-and-equipment>

This webpage provides downloadable information on farm implements and safety practices in using farm tools and equipment.

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### ❖ Lesson 1 Use of Farm Tools and Equipment

<https://www.slideshare.net/RochelleNato/lesson-1-use-of-farm-tools-and-equipment>

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This webpage provides a Prezi presentation to perform estimation and basic calculation that also includes full transcript of the topic.

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### • Basic First Aid

<https://articles.extension.org/pages/66375/basic-first-aid>

This webpage provides information in first aid training for different types of injuries and conditions. It includes some videos on related topics.

[Retrieved January 3, 2019]

### ❖ Agricultural and Farming Products and Equipment Information

[https://www.globalspec.com/learnmore/specialized\\_industrial\\_products/agricultural\\_farming\\_products\\_services\\_equipment](https://www.globalspec.com/learnmore/specialized_industrial_products/agricultural_farming_products_services_equipment)

This webpage provides information on agricultural and farming products and equipment including security and structures for special types of farming. Hyperlinks to other information are also available.

[Retrieved November 22, 2018]

### ❖ Choosing Essential Equipment for Your Small Farm Business

<https://articles.bplans.com/choosing-essential-equipment-small-farm-business/>

This webpage provides a guide in choosing the right equipment for small farm business.

[Retrieved November 22, 2018]

### ❖ Names of Farm Equipment

<https://www.hobbyfarms.com/names-of-farm-equipment-4/>

## INTERNET RESOURCES

This webpage provides information on various farm equipment.  
[Retrieved November 22, 2018]

### ❖ Details Report for: 45-2091.00-Agricultural Equipment Operators

<https://www.onetonline.org/link/details/45-2091.00>

This webpage provides the job description of agricultural equipment operators with details on tasks to be performed, tools to be used, skills and work activities, among others.

[Retrieved November 22, 2018]

### ❖ Farm Equipment Safe Operating Procedures

<https://ehs.msu.edu/occ/tractors/safe-operating-procedures.html>

This webpage provides some procedures in operating farm field equipment for use in agricultural operations.

[Retrieved November 23, 2018]

### ❖ How to Participate in Workplace Communications

<https://careertrend.com/participate-workplace-communication-2325.html>

This webpage provides information on the importance of workplace communication. It also provides links to workplace communication related topics.

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### ❖ Working in a Team Environment: Definition & Skills

<https://study.com/academy/lesson/working-in-a-team-environment-definition-skills-quiz.html>

This webpage provides information on working in a team environment with video related to the topic.

[Retrieved January 3, 2019]

### ❖ Practicing Career Professionalism, Part 1

<https://hubpages.com/business/Practicing-Career-Professionalism-Part-1>

This webpage provides information on practicing career professionalism with related topics in personal development.

[Retrieved January 3, 2019]

### ❖ Practice Occupational Safety and Health Procedures

<https://www.slideshare.net/MaryjoyElynethDuguran/practice-occupational-safety-and-health-procedures>

This webpage from slideshare provides a slide show to practice occupational safety and health procedures with transcript.

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This webpage provides downloadable information on the use of farm tools and equipment.

[Retrieved January 3, 2019]

### ❖ Perform Estimation and Basic Calculation

<https://prezi.com/muel0ryjurvp/perform-estimation-and-basic-calculation/>

Qualification:

## Agroentrepreneurship NC II

This qualification consists of competencies that a person must achieve to assess market opportunities, establish farm production plan, handle finances, and market produce.

Basic Competencies:

- Participate in workplace communication
- Work in a team environment
- Practice career professionalism
- Practice occupational health and safety procedures

Common Competencies:

- Apply safety measures in farm operations
- Use farm tools and equipment
- Perform estimation and calculations
- Process farm wastes
- Perform record keeping

Core Competencies:

- Assess market opportunities
- Establish farm production plan
- Handle finances
- Market produce



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This webpage provides a Prezi presentation to perform estimation and basic calculation that also includes full transcript of the topic.

[Retrieved January 3, 2019]

### ❖ Industrial Waste Processing and Recovery

<http://www.rgrecycling.co.uk/pages/industries/agricultural-waste-recycling>

This webpage provides information in modern agricultural waste processing, separation and sorting, and agricultural recycling equipment with links to related topics.

[Retrieved January 3, 2019]

### ❖ How to Keep Farm Records

<https://www.thespruce.com/how-to-keep-farm-records-3016896>

This webpage provides information in the importance of keeping farm records with links to related topics.

[Retrieved January 3, 2019]

### ❖ What is Agropreneurship?

<https://www.igi-global.com/dictionary/agropreneurship-among-gen-y-in-malaysia/58756/>

This webpage defines agropreneurship as activities practiced by individuals who own goals to create wealth by applying innovative skills within the agriculture industry. Thumbnail links to related articles are also available.

[Retrieved November 13, 2018]

### ❖ Identifying Market Opportunities for Rural Smallholder Producers

<https://www.crs.org/sites/default/files/tools-research/identifying-market-opportunities-for-rural-smallholder-producers.pdf>

This document provides a guide to support agencies implementing a participatory approach to rural agroenterprise development.

[Retrieved November 13, 2018]

### ❖ 11 Steps to a Whole-Farm Plan

<https://www.agriculture.com/farm-management/business-planning/11-steps-to-a-whole-farm-plan>

This webpage provides a guide in helping farmers create a whole-farm business plan to avoid failures in case of machine breakdown.

[Retrieved November 26, 2018]

### ❖ Agriculture Finance

[https://www.ifc.org/wps/wcm/connect/Industry\\_EXT\\_Content/IFC\\_External\\_Corporate\\_Site/Industries/Financial+Markets/Retail+Finance/Agriculture+Finance/](https://www.ifc.org/wps/wcm/connect/Industry_EXT_Content/IFC_External_Corporate_Site/Industries/Financial+Markets/Retail+Finance/Agriculture+Finance/)

This webpage aims to foster a measureable increase in the availability of agriculture finance by promoting appropriate risk mitigation products and building necessary skills in handling agricultural finances.

[Retrieved November 26, 2018]

### ❖ Fruit and Vegetable Marketing for Small-Scale and Part-Time Growers

<https://extension.psu.edu/fruit-and-vegetable-marketing-for-small-scale-and-part-time-growers>

This webpage aims to provide strategies for small-scale farmers in marketing their products to consumers in the best possible way.

[Retrieved November 26, 2018]

### ❖ Lead Workplace Communication

<https://www.coursehero.com/file/14771162/Lead-Workplace-Communication/>

This webpage provides information on the topic to lead workplace communication. It also includes links to related topics.

[Retrieved January 3, 2019]

Qualification:

## Agroentrepreneurship NC III

This qualification consists of competencies that a person must achieve to engage agroenterprise

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(AE) industry stakeholders, ensure product supply, implement financial management, mobilize farmer's participation in capacity building activities and conduct collective marketing.

### Basic Competencies:

- Lead Workplace Communication
- Lead small teams
- Develop and Practice Negotiation Skills
- Solve Problems Related to Work Activities
- Use Mathematical Concepts and Techniques
- Use Relevant Technologies

### Common Competencies:

- Apply Safety Measures in Farm Operations
- Perform Estimation and Basic Calculation
- Provide Quality Customer Service
- Comply with Quality and Ethical Standards

### Core Competencies:

- Engage agroenterprise (AE) industry stakeholders
- Ensure product supply
- Implement financial management
- Mobilize farmers participation in capacity building activities
- Conduct collective marketing

### ❖ 10 Steps to Lead a Small But Effective Team

<https://www.fastcompany.com/3047244/10-steps-to-lead-a-small-but-effective-team>

This webpage provides tips on how to lead a small but effective team including a video on 7 Steps to Building a Dream Team for Your Company.

[Retrieved January 3, 2019]

### ❖ 7 Steps for Effective Problem Solving in the Workplace

<https://www.mediate.com/articles/thicks.cfm>

This webpage provides tips on how to effectively solve problems in the workplace with links to related topics.

[Retrieved January 3, 2019]

### ❖ Chapter 2: Basic Mathematical Concepts and Methods

[https://www.springer.com/cda/content/document/cda\\_downloaddocument/9783642137471-c1.pdf?SGWID=0-0-45-1041143-p174012669](https://www.springer.com/cda/content/document/cda_downloaddocument/9783642137471-c1.pdf?SGWID=0-0-45-1041143-p174012669)

This webpage provides information in basic mathematical concepts and methods including functions of real variables and other related topics.

[Retrieved January 3, 2019]

### ❖ Use of Technology in Agriculture

<https://www.useoftechnology.com/technology-agriculture/>

This webpage provides information in using technology for the agricultural industry. It also contains links and pictures related to the topic.

[Retrieved January 4, 2019]

### ❖ Practice Occupational Safety and Health Procedures

<https://www.slideshare.net/MaryjoyElynethDuguran/practice-occupational-safety-and-health-procedures>

This webpage from slideshare provides a slide show to practice occupational safety and health procedures with transcript.

[Retrieved January 3, 2019]

### ❖ Farm Implements and Safety practices in using farm tools and equipment

<https://www.slideshare.net/RochelleNato/farm-implements-and-safety-practices-in-using-farm-tools-and-equipment>

This webpage provides downloadable information on farm implements and safety practices in using farm tools and equipment.

[Retrieved January 3, 2019]

### ❖ Lesson 1 Use of Farm Tools and Equipment

<https://www.slideshare.net/RochelleNato/lesson-1-use-of-farm-tools-and-equipment>

This webpage provides downloadable information on the use of farm tools and equipment.

[Retrieved January 3, 2019]

### ❖ Perform Estimation and Basic Calculation

<https://prezi.com/muel0ryjurvp/perform-estimation-and-basic-calculation/>

This webpage provides a Prezi presentation to perform estimation and basic calculation that also includes full transcript of the topic.

[Retrieved January 3, 2019]

### ❖ Industrial Waste Processing and Recovery

<http://www.rgrecycling.co.uk/pages/industries/agricultural-waste-recycling>

This webpage provides information in modern agricultural waste processing, separation and sorting, and agricultural recycling

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equipment with links to related topics.

[Retrieved January 3, 2019]

### ❖ How to Keep Farm Records

<https://www.thespruce.com/how-to-keep-farm-records-3016896>

This webpage provides information in the importance of keeping farm records with links to related topics.

[Retrieved January 3, 2019]

### ❖ Stakeholder Engagement in Agriculture – A Success Story

<https://standingpartnership.com/stakeholder-engagement-in-agriculture-a-success-story/>

This webpage presents a success story that shows how to build and maintain a result-focused stakeholder engagement.

[Retrieved November 26, 2018]

### ❖ Manage Your Suppliers

<https://www.infoentrepreneurs.org/en/guides/manage-your-suppliers/>

This webpage provides a guide in managing suppliers to get the best quality service.

[Retrieved November 26, 2018]

### ❖ Farm and Financial Management

<https://www.arec.umd.edu/extension/ume-programs/farm-and-financial-management>

This webpage provides a guide in improving business management skills to improve management productivity, increased profitability, and fulfill long-term goals of farmers.

[Retrieved November 26, 2018]

### ❖ Utilise specialist communication skills to build strong relationships

<https://etraining.communitydoor.org.au/course/view.php?id=2>

This webpage presents a course with 4 sections on specialized communication skills. It also includes quizzes and a summary of topics.

[Retrieved January 4, 2019]

### ❖ Developing Your Team

<https://www.mindtools.com/pages/article/developing-your-team.htm>

This webpage provides information to help develop teams and individuals in a team. It also includes links to related topics.

[Retrieved January 4, 2019]

### ❖ Problem Solving Skills Training & the Workplace

<https://smallbusiness.chron.com/problem-solving-skills-training-workplace-11656.html>

This webpage provides tips in solving workplace-related problems.

[Retrieved January 4, 2019]

### ❖ Collect, Organise, Analyse and Critically Evaluate Information

<http://mindmuttermatters.blogspot.com/2017/03/collect-organise-analyse-and-critically.html>

This webpage provides information about personal leadership skill in collecting, organizing, analyzing and critically evaluating information.

[Retrieved January 4, 2019]

### ❖ How to Plan & Organize Work Activities

<https://smallbusiness.chron.com/plan-organize-work-activities-10000.html>

This webpage provides tips and suggestions on how to manage work activities for specific tasks.

[Retrieved January 4, 2019]

Qualification:

## Agroentrepreneurship NC IV

Basic Competencies

- Utilize specialized communication skills
- Develop teams and individuals
- Apply problem solving techniques in the workplace
- Collect, analyze and organize information
- Plan and organize work
- Promote environmental protection

Common Competencies

- Apply Safety Measures in Farm Operations
- Perform Estimation and Basic Calculation
- Provide Quality Customer Service
- Comply with Quality and Ethical Standards

Core Competencies

- Capacitate farmers

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- Facilitate engagement of the agroenterprise activities
- Mobilize Agroenterprise Community
- Monitor and Evaluate Agroenterprise Activities

### ❖ Promoting Environmental Protection

[http://tw.tzuchi.org/en/index.php?option=com\\_content&view=article&id=670%3Apromoting-environmental-protection-&catid=62%3Aenvironmentalprotection&Itemid=186&lang=en](http://tw.tzuchi.org/en/index.php?option=com_content&view=article&id=670%3Apromoting-environmental-protection-&catid=62%3Aenvironmentalprotection&Itemid=186&lang=en)

This webpage provides a guide and related information on promoting protection for the environment with links to related topics.  
[Retrieved January 4, 2019]

### ❖ Practice Occupational Safety and Health Procedures

<https://www.slideshare.net/MaryjoyElynethDuguran/practice-occupational-safety-and-health-procedures>

This webpage from slideshare provides a slide show to practice occupational safety and health procedures with transcript.  
[Retrieved January 3, 2019]

### ❖ Farm Implements and Safety practices in using farm tools and equipment

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This webpage provides downloadable information on farm implements and safety practices in using farm tools and equipment.  
[Retrieved January 3, 2019]

### ❖ Lesson 1 Use of Farm Tools and Equipment

<https://www.slideshare.net/RochelleNato/lesson-1-use-of-farm-tools-and-equipment>

This webpage provides downloadable information on the use of farm tools and equipment.  
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### ❖ Industrial Waste Processing and Recovery

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[Retrieved January 3, 2019]

### ❖ How to Keep Farm Records

<https://www.thespruce.com/how-to-keep-farm-records-3016896>

This webpage provides information in the importance of keeping farm records with links to related topics.  
[Retrieved January 3, 2019]

### ❖ Improving Capacity for Small Farmers and their Service Providers

<https://www.agrilinks.org/blog/improving-capacity-small-farmers-and-their-service-providers>

This webpage provides a guide in uplifting the capacity of farmer's organization and the society to manage affairs successfully to achieve goals and to satisfy the rights or expectations of citizen, customers and other stakeholders.  
[Retrieved November 26, 2018]

### ❖ How collective bargaining can benefit farmers and small businesses

<https://www.accc.gov.au/media-release/how-collective-bargaining-can-benefit-farmers-and-small-businesses>

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Qualification:

### Animal Health Care and Management NC III

This qualification consists of competencies that a person must achieve in providing livestock health care in both backyard and commercial livestock farms under the supervision of a veterinarian.

Core Competencies

- Restrain and handle animal
- Apply bio-security measures
- Administer drugs and biologics
- Handle and store drugs and biologics
- Collect and handle specimen

Qualification:

### Animal Production (Ruminants) NC II

This qualification consists of competencies that a person must achieve to raise ruminants for production of milk, meat and breeder. It comprises of maintenance of housing, farm implements and surrounding area, providing forage, performing breeding of ruminants, raising of dairy animals and raising of meat-type animals. The ruminants include both the large (cattle and buffalo) and small (goat and sheep) ruminants.

Core Competencies

- Maintain housing, farm implements and surrounding area
- Provide forage
- Perform breeding of ruminants
- Raise dairy animals
- Raise meat-type animals

This webpage provides a guide in engaging in collective bargaining agreement to allow two or more competing businesses to jointly negotiate with a supplier or customer over terms, conditions, and prices.

[Retrieved November 26, 2018]

#### ❖ Animal care and management at the national zoo

[http://www.nap.edu/catalog.php?record\\_id=10932](http://www.nap.edu/catalog.php?record_id=10932)

"This webpage provides a free online catalog that assesses issues related to animal management, husbandry and health care. The treat issue was on the Shortcomings of care and management of animals."

[Retrieved July 23, 2009]

#### ❖ Diseases situation in swine in the Philippines - an unfolding situation

[http://www.fao.org/ag/againfo/programmes/en/empres/ebola\\_111208.html](http://www.fao.org/ag/againfo/programmes/en/empres/ebola_111208.html)

"This webpage shows studies of different agencies on the situation that the virus, known as primate pathogen, is identified in a food producing animal, affecting the swine production areas in the Philippines."

[Retrieved July 24, 2009]

#### ❖ A manual for primary animal health care worker: FAO/ACP

<http://www.fao.org/docrep/T0690E/t0690e03.htm#TopOfP>

"This webpage provides ten(10) chapters of web document; a prepared training plan on each chapter."

[Retrieved July 27, 2009]

#### ❖ Animal production and marketing issues and policy

<http://search.yahoo.com/search?p=aniaml+production+system&e>

"This site provides an overview of health and emergency management system."

[Retrieved July 24, 2009]

#### ❖ Integrated animal production system in Asia

<http://www.fao.org/docrep/W8600T/w8600t02.htm>

"This site pertains to problem-based learning approach to develop skill/knowledge in the design and management of efficient animal production system."

[Retrieved July 24, 2009]

#### ❖ Mixed farming and intensification of animal production

<http://www.fao.org/Wairdocs/ILRI/x5462E/x5462e0i.htm>

"This searchable site for mixed farming includes links to economic importance of animals; genesis of crop-animal systems, types of mixed farming, and the relevance of integrated systems."

[Retrieved July 24, 2009]

#### ❖ PEW Commission on industrial farm animal production

<http://www.ncifap.org/>

"These are selected articles on the issues on the aspects of farm animal production industry."

[Retrieved July 28, 2009]

#### ❖ Putting meat on the table industrial farm animal production in America

<http://www.ncifap.org/images/PCIFAPFin.pdf>

"This report provides background analysis on industrial hog farming and the transmission of swine flu"

[Retrieved July 28, 2009]

## INTERNET RESOURCES

Qualification:

### Animal Production (Swine) NC II

This qualification consists of competencies that a person must achieve to handle breeders, handle farrowing sows and sucklings, raise weanlings, produce finishers, maintain healthy animal environment and apply biosecurity measures.

Core Competencies

- Handle breeders
- Handle farrowing sows and sucklings
- Raise weanlings
- Produce finishers
- Maintain healthy animal environment
- Apply bio-security measures

Qualification:

### Aquaculture NC II

This qualification consists of competencies that a person must achieve to assist in aquaculture operations, prepare and maintain aquaculture facilities, operate fish nursery, perform fish or shrimp grow-out operations and grow seaweeds.

Core Competencies

- Conduct pre-operations aquaculture activities
- Prepare and maintain aquaculture facilities
- Operate fish nursery
- Perform fish or shrimp grow-

#### ❖ Breeding Pigs

<https://www.nda.agric.za/docs/pigs1/breeding.htm>

This webpage provides information in breeding pigs, including selection of boar and gilt (sow).

[Retrieved January 4, 2019]

#### ❖ Managing the Sow for Optimum Productivity

[https://projects.ncsu.edu/project/swine\\_extension/healthyhogs/book2000/see.htm](https://projects.ncsu.edu/project/swine_extension/healthyhogs/book2000/see.htm)

This webpage provides information in managing sows to produce the best quality breeds.

[Retrieved January 4, 2019]

#### ❖ How we Raise Pigs

<http://toshfarms.net/animal-care/how-we-raise-pigs/>

This webpage provides information in raising pigs using modern methods of breeding.

[Retrieved January 4, 2019]

#### ❖ Keeping Animals Healthy

<https://extension.psu.edu/keeping-animals-healthy>

This webpage provides information in promoting animal health for maximum productivity.

[Retrieved January 4, 2019]

#### ❖ Local applications of the national livestock & poultry environmental stewardship curriculum

<http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1009&context=biosysengpres>

"This paper presentation focuses in the areas of animal nutrition, manure storage and treatment, land application and nutrient management & air quality."

[Retrieved July 28, 2009]

#### ❖ Mixed farming and intensification of animal production systems

<http://www.fao.org/wairdocs/ilri/x5462e/x5462e0i.htm>

"This site pertains to the types of mixed farming and importance intensive crop –animal production system ..."

[Retrieved July 29, 2009]

#### ❖ Aquaculture: the free dictionary Wikipedia

<http://encyclopedia2.thefreedictionary.com/aquaculture>

"The webpage is an open access and searchable site on the related topics."

[Retrieved July 29, 2009]

#### ❖ Aquaculture technology fish farming systems

<http://www.aquatech.8m.com/>

"This webpage pertains to the different fishing equipment and services system rendered to the clients, searchable sites of technology also available."

[Retrieved July 29, 2009]

#### ❖ Aquaculture tilapia fish farming

<http://www.youtube.com/watch?v=9IEy2tW1Rzs>

"This webpage provides an eight (8) minute video showing tilapia fish farming in action."

[Retrieved August 10, 2009]

#### ❖ Aquaculture farming

<http://www.eattilapia.com/operations/tilapia-farming/>

"This webpage provides information about the operation of

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aquaculture farm raising tilapia as its main product."  
[Retrieved August 10, 2009]

### ❖ Demonstration of the use of the air-lift pump & lignocellulosics material in recirculation

[http://www.uwex.edu/uwmril/pdf/RuralEnergyIssues/aquaculture/04\\_Demonstration\\_AirLiftPump.pdf](http://www.uwex.edu/uwmril/pdf/RuralEnergyIssues/aquaculture/04_Demonstration_AirLiftPump.pdf)

"This is a project document on the growth of the industry which demonstrates the energy efficiency in the use of air-lift pumps over conventional electrical pumps."

[Retrieved July 29, 2009]

### ❖ Native freshwater fish and crayfish-extensive aquaculture

<http://www.dpi.nsw.gov.au/fisheries/aquaculture/publications/species-freshwater/native-freshwater-fish-and-crayfish---extensive-aquaculture-prospects>

"This webpage provides information on the two(2) forms of culture in relation to fish farming: the intensive and the extensive; the advantages/disadvantages of each other."

[Retrieved August 10, 2009]

### ❖ Pond aquaculture system filter-advanced systems

<http://www.advancedaquaculture.com>

"This site provides information and procedures in designing intensive recirculating aquaculture systems."

[Retrieved July 29, 2009]

### ❖ Artificial Insemination for Beef Cattle

<http://www.thebeefsite.com/articles/721/artificial-insemination-for-beef-cattle/>

This webpage provides information on the basics of artificial insemination (AI) programs to manage its application to animals.

[Retrieved January 7, 2019]

### ❖ DA Pushes Artificial Insemination

<https://www.philstar.com/business/agriculture/2003/07/13/213496/da-pushes-artificial-insemination>

This webpage from Philstar global provides information on the Department of Agriculture's support for artificial insemination in breeding livestock in the country.

[Retrieved January 7, 2019]

### ❖ Artificial Insemination Technique

<https://extension.psu.edu/artificial-insemination-technique>

This webpage provides a review for those already familiar with artificial insemination technique, emphasizing reproductive anatomy, sanitation, and accuracy of semen deposition.

[Retrieved January 7, 2019]

### ❖ Small-Scale Dairy Farming Manual Volume 4

[http://www.fao.org/ag/againfo/resources/documents/Dairyman/Dairy/V4U6\\_1.htm](http://www.fao.org/ag/againfo/resources/documents/Dairyman/Dairy/V4U6_1.htm)

This webpage provides illustrated content with explanations on how artificial insemination is performed on large ruminants.

[Retrieved January 7, 2019]

### ❖ Analytical Documentation of the Artificial Insemination Programme of BRAC

[http://research.brac.net/reports/ai\\_analytical\\_documentation.pdf](http://research.brac.net/reports/ai_analytical_documentation.pdf)

This weblink provides a downloadable document in PDF that shows the documentation of AI in a Research Report format.

[Retrieved January 7, 2019]

Qualification:

## Artificial Insemination (Large Ruminants) NC II

This qualification consists of competencies that a person must achieve to establish readiness for artificial insemination, prepare for artificial insemination (AI) operation, perform artificial insemination (AI) and prepare artificial insemination (AI) documentations and reports. It has an elective competency to conduct artificial insemination awareness for clientele.

Core Competencies

- Establish readiness for artificial insemination
- Prepare for artificial insemination (AI) operation
- Perform artificial insemination (AI)
- Prepare artificial insemination (AI) documentations and reports

Elective Competency

- Conduct artificial insemination awareness for clientele

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Qualification:

### Artificial Insemination (Swine) NC II

This qualification consists of competencies that a person must achieve to confirm readiness of sow/gilt for artificial insemination, collect boar semen, perform artificial insemination (AI) on sow/gilt and prepare documentations and reports on sow/gilt artificial insemination (AI). It has an elective competency to conduct community awareness program on artificial insemination and render assistance to veterinary procedures related to reproductive problems.

#### Core Competencies

- Confirm readiness of sow/gilt for artificial insemination
- Collect boar semen
- Perform artificial insemination (AI) on sow/gilt
- Prepare documentations and reports on sow/gilt artificial insemination (AI) activities

#### Elective Competencies

- Conduct community awareness program in artificial insemination
- Render assistance to veterinary procedures related to reproductive problems

Qualification:

### Bamboo Production NC II

This qualification consists of competencies that bamboo farmer, or bamboo nursery operator to operate bamboo nursery, establish bamboo farm, conduct bamboo clump rehabilitation and conduct harvesting and post-harvesting operations. It also includes competencies in practicing safety measures, operating simple equipment and using various tools for (small scale to large scale)

#### ❖ Using Artificial Insemination in Swine Production: Detecting and Synchronizing Estrus and Using Proper Insemination Technique

<https://pubs.ext.vt.edu/414/414-038/414-038.html>

This webpage provides information on how AI is implemented in swine production using proper insemination technique.

[Retrieved January 7, 2019]

#### ❖ A Guide to Basic Boar Semen Collection, Evaluation and Processing Procedures

<http://www.ansc.purdue.edu/swine/porkpage/repro/pubs/basic2.htm>

This webpage provides a guide on how to collect semen from boars using various methods.

[Retrieved January 7, 2019]

#### ❖ Artificial Insemination Technique

<http://www.thepigsite.com/focus/pic/3418/artificial-insemination-insemination-technique>

This webpage provides a guide on how to perform artificial insemination on sow. It also includes links to related topics.

[Retrieved January 7, 2019]

#### ❖ Artificial Insemination in Pigs

<https://www.intechopen.com/books/artificial-insemination-in-farm-animals/artificial-insemination-in-pigs>

This webpage provides a documentation summary for artificial insemination in pigs.

[Retrieved January 7, 2019]

#### ❖ Animal Environment, Housing and Management

<https://www.nap.edu/read/5140/chapter/4>

This webpage provides information on the proper housing and management of animals that is essential to their well-being, research and testing programs.

[Retrieved January 7, 2019]

#### ❖ How to Start a Profitable Bamboo Nursery

<https://www.profitableplantsdigest.com/how-to-start-a-profitable-bamboo-nursery/>

This webpage provides information how to start a bamboo nursery.

[Retrieved January 7, 2019]

#### ❖ How to Start a Bamboo Farm

<https://www.onlymoso.com/start-bamboo-farm/>

This webpage provides a guide on how to start a bamboo farm.

[Retrieved January 7, 2019]

#### ❖ Why You Should Ask a Bamboo Farmer What It Takes to Succeed

<https://www.entrepreneur.com/article/240371>

This webpage provides information about the advantages of bamboo and how to nurture the plant.

[Retrieved January 7, 2019]



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bamboo farmer and bamboo farm owner.

### Core Competencies

- Operate bamboo nursery
- Establish bamboo farm
- Conduct bamboo clump rehabilitation
- Conduct harvesting and post-harvesting operations

Qualification:

### Drying and Milling Processing Plant Servicing NC III

This qualification consists of competencies that a Drying and Milling Plant Service Technician must have in order to service grains drying plant facilities, service rice milling plant facility and service corn milling plant facility.

### Core Competencies

- Service grains drying plant facilities Service rice milling plant facility
- Service corn milling plant facility

Qualification:

### Fish Capture NC I

This qualification consists of competencies that a person must achieve to catch and deliver seafood products. Workers at his level would have no previous experience in this industry sector. Work would be routine and carried out under close supervision

### Core Competencies

- Apply deckhand skills aboard a fishing vessel
- Load and unload goods /

### ❖ Rehabilitation of Critical Riverbanks Using Bamboo and Vetiver

<https://www.entrepreneur.com/article/240371>

This webpage provides information on how to rehabilitate river banks using bamboo clumps to hold the soil and prevent erosion. [Retrieved January 7, 2019]

### ❖ Designing and Evaluating Bamboo Harvesting Methods for Local Needs: Integrating Local Ecological Knowledge and Science

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4930467/>

This webpage provides information on how to design harvesting methods to maximize yield and ensure sustainability of bamboo. [Retrieved January 7, 2019]

### ❖ Drying Solutions

[https://www.cofcoge.com/solution/drying-solutions/10.html?gclid=EAlaIqobChMIII2w3dra3wIVTqaWCh0SrQ3QEAAAYAiAAEgJqDvD\\_BwE](https://www.cofcoge.com/solution/drying-solutions/10.html?gclid=EAlaIqobChMIII2w3dra3wIVTqaWCh0SrQ3QEAAAYAiAAEgJqDvD_BwE)

This webpage from COFCO provides information on their drying solutions for grains and other products. [Retrieved January 7, 2019]

### ❖ Processing maize flour and corn meal food products

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4260129/>

This webpage provides information on corn and methods of processing corn flour and corn meal products. [Retrieved January 7, 2019]

### ❖ General Troubleshooting Manual

[http://www.gtmfg.com/manuals/TROUBLE\\_SHOOTING\\_MANUAL.pdf](http://www.gtmfg.com/manuals/TROUBLE_SHOOTING_MANUAL.pdf)

This weblink provides a downloadable troubleshooting manual for various grain dryer models. [Retrieved January 7, 2019]

### ❖ Grain Dryer Pre-Season Maintenance Checklist-GT MFG, Inc.

[http://www.gtmfg.com/manuals/PRESEASON\\_MAINTENANCE\\_CHECKLIST.pdf](http://www.gtmfg.com/manuals/PRESEASON_MAINTENANCE_CHECKLIST.pdf)

This weblink provides a downloadable maintenance checklist for GT grain dryer model. [Retrieved January 7, 2019]

### ❖ Fish capture in the Philippines

<http://www.courses.com.ph/fish-capture-nc-i-in-the-philippines/>

"Power point presentation of the process of maintenance port  
"This webpage from courses.com describes the training courses offered in the Philippines based on the training regulations developed by TESDA."

[Retrieved December 2014]

### ❖ National aquaculture sector overview Philippines

[http://www.fao.org/fishery/countrysector/naso\\_philippines/en](http://www.fao.org/fishery/countrysector/naso_philippines/en)

"This webpage from fao.org provides information on the characteristics, structure and resources of the sector with the following sections: summary; history and general overview; human resources; farming systems distribution and characteristics; cultured species; practices/systems of culture; production; market and trade; contribution to the economy; the institutional framework; the governing regulations; applied research, education and training; bibliography; and related links."

[Retrieved December 2014]

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cargo

- Assemble and repair damaged netting

Qualification:

### Fish Capture NC II

This qualification consists of competencies that a person must achieve to enable him to catch and deliver seafood products. Workers at this level would be directly engaged in fishing and other related fishing activities in inland bodies of waters and marine waters within 15kilometers from the coastline (and other provisions for municipal waters) using fishing vessels of three (3) gross tons or less.

Core Competencies

- Operate a vessel of up to 3.0 GT
- Monitor condition and seaworthiness of a vessel
- Perform routine maintenance tasks on a small coastal vessel
- Operate and troubleshoot low powered marine engines
- Apply weather information when navigating a vessel
- Contribute to safe navigation
- Apply basic food handling and safety practices

#### ❖ Marine fishing in the Philippines

<http://www.culturalsurvival.org/ourpublications/csq/article/marine-fishing-philippines>

“This webpage from culturalsurvival.org describes the situation of a common fish farmer in small-scale fishing in the country.”

[Retrieved December 2014]

#### ❖ Fish capture in the Philippines

[http://oneocean.org/fishweb/fisheries\\_profile\\_part2.html](http://oneocean.org/fishweb/fisheries_profile_part2.html)

“This webpage from oneocean.com provides the marine capture fisheries profile in the Philippines updated on December 2002.”

[Retrieved December 2014]

#### ❖ The killing of Nemo

<http://killingnemo.weebly.com/>

“This webpage from killingnemo.weebly.com describes the effects of cyanide fishing to the environment.”

[Retrieved December 2014]

#### ❖ Commercial Fishing

<https://www.bfar.da.gov.ph/services?id=155>

This webpage provides the general provision for the operation of fishing vessels in the Philippines.

[Retrieved January 7, 2019]

#### ❖ Local Government Guide to Registration of Fishing Boats 3GT and Below

[http://oneocean.org/download/db\\_files/eo305pamphlet.pdf](http://oneocean.org/download/db_files/eo305pamphlet.pdf)

This webpage provides a general guide for the registration of fishing boats in the Philippines.

[Retrieved January 7, 2019]

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[http://oneocean.org/download/db\\_files/eo305pamphlet.pdf](http://oneocean.org/download/db_files/eo305pamphlet.pdf)

This webpage provides a general guide for the registration of fishing boats in the Philippines.

[Retrieved January 7, 2019]

#### ❖ Vessel monitoring promotes transparency in fishing-group

<https://businessmirror.com.ph/vessel-monitoring-promotes-transparency-in-fishing-group/>

This webpage provides information on monitoring of fishing vessels in the Philippines.

[Retrieved January 7, 2019]

#### ❖ Safe Maintenance of Fishing Vessels

<https://osha.europa.eu/en/tools-and-publications/publications/e-facts/efact55>

This webpage provides a downloadable PDF that provides the guidelines in maintaining fishing vessels.

[Retrieved January 7, 2019]

#### ❖ A guide to Australia’s marine forecasts and warnings

[https://sielearning.tafensw.edu.au/toolboxes/MaritimeOperations/TDMMH701AWeatherInformation/Tools/2\\_01.htm](https://sielearning.tafensw.edu.au/toolboxes/MaritimeOperations/TDMMH701AWeatherInformation/Tools/2_01.htm)

This webpage provides information and guide to fishing vessel navigators on weather services.

[Retrieved January 7, 2019]

#### ❖ Fish Handling, Quality and Processing: Training and Community Trainers Manual

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Qualification:

### Fishing Gear Repair and Maintenance NC III

This qualification consists of competencies that a person must achieve in leading a team of net menders. Specifically, it involves competencies in making decision in carrying out repair and maintenance of nets. Non-repairable fishing gears like hook and line are not included in this Training Regulations (TR). The TR also does not include pots and traps, another type of fishing gear, since it is used and repaired by subsistence fisher folks themselves.

Core Competencies

- Supervise unloading and loading of net
- Evaluate net mending
- Administer and monitor net mending

Qualification:

### Fish Port Wharf Operations NC I

This qualification consists of competencies that a person must achieve to perform handling of fish and fish products in fish port/wharf. Persons with this qualification may or may not have previous experience in these skills. Work would be routine and carried out under close supervision.

Core Competencies

- Unload and load fish and fish products
- Classify fish and fish products

<http://www.fao.org/3/a-az083e.pdf>

This weblink provides a downloadable guide in fish handling, processing and training.

[Retrieved January 7, 2019]

#### ❖ Change in gas bubble disease signs and survival of migrating juvenile salmonids

<http://pisces.bpa.gov/release/documents/documentviewer.aspx?doc=93892-1>

"This webpage provides an annual report on the experimental studies on the changes in gas bubble diseases."

[Retrieved August 11, 2009]

#### ❖ Fishing reel maintenance and upgrades, reel repair, reel tuning

<http://www.tackletour.com/menumaintenance.html>

"This webpage provides information and procedures in maintaining and upgrading types of tools, equipment and materials for fishing industry."

[Retrieved August 13, 2009]

#### ❖ Marine and coastal fisheries: dynamic management, and ecosystem science

<http://www.bioone.org/doi/abs/10.1577/C08-006.1>

"This webpage provides an online fulltext article published by American fisheries society about marine and coastal fisheries."

[Retrieved August 11, 2009]

#### ❖ Principles of fishing gear

<http://www.kabayancentral.com/book/rex/mb2327817.html>

"This webpage provides the needs of trainees in fisheries, such as fishing gear design; materials selection, testing, methods of fishing gear construction; operation, maintenance and repair."

[Retrieved August 11, 2009]

#### ❖ Maintenance of port infrastructure in Malaysia

<http://www.scribd.com/doc/12505032/Maintenance-of-Port-Infrastructure-Malaysian-Port-Authorities>

"Power point presentation of the process of maintenance port infrastructures and complying the legal and standard system procedures."

[Retrieved August 06, 2009]

#### ❖ Time-motion analysis of wharf crane operations

<http://pubsindex.trb.org/document/view/default.asp?lbid=378412>

"This webpage provides a research study on Transportation Research Board, with accession number 00634484."

[Retrieved August 06, 2009]

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Qualification:

### Horticulture NC III

This qualification consists of competencies that a person must achieve in managing small farm. Specifically it involves competencies in making decision and carrying out competencies in relation to establishment, maintenance and harvesting of horticultural crops such as vegetables, fruits and cut flowers. Workers at this level would be working autonomously and likely to own a small enterprise or work within a cooperative structure.

Core Competencies

- Prepare land for agricultural crop production
- Implement post-harvest program
- Implement plant nutrition program
- Control weeds
- Prepare and apply chemicals
- Establish horticultural crops
- Coordinate horticultural maintenance program
- Coordinate horticultural crop harvesting
- Undertake field budding and grafting
- Undertake propagation activities

Qualification:

### Landscape Installation and Maintenance (Softscape) NC II

This qualification consists of competencies that a person must achieve in installing and maintaining landscape designs for all types of development projects including residential, commercial, industrial, institutional and open

#### ❖ Ornamental horticulture for profit

<http://www.mb.com.ph/ornamental-horticulture-for-profit/>

“This webpage from mb.com.ph provides information and condition of the horticultural industry in the country. The study of the Philippine horticultural society, Inc. (PHSI) also provides an outlook of the situation facing the industry in 2015.”

[Retrieved December 2014]

#### ❖ Horticulture as one sustainable industry

<http://mb.com.ph/horticulture-as-one-sustainable-industry/>

“This webpage from mb.com.ph shares the goals of the senate committee on agriculture and food for the year 2015. Mentioned is the soft shell crab production; and inbred rice as the focus of organic farming efforts of the PHSI.”

[Retrieved December 2014]

#### ❖ Cut flower production in the Philippines

<http://www.fao.org/docrep/005/ac452e/ac452e07.htm>

“This webpage from fac.org describes the ornamental horticulture industry based on its experience from the 1970’s and how it progressed to the present. A table of major producers of cut flowers in the Philippines is also included.”

[Retrieved December 2014]

#### ❖ Horticulture Philippines

<http://www.horticulturephilippines.org/>

“This webpage provides information about the 29<sup>th</sup> international horticultural congress held in Brisbane, Australia on August 2014. It also celebrated the first general horticulture alumni homecoming held in Leyte in 2013.”

[Retrieved December 2014]

#### ❖ Grafting and Budding Nursery Crop Plants

<https://content.ces.ncsu.edu/grafting-and-budding-nursery-crop-plants>

This webpage provides information and guide on budding and grafting of nursery crop plants.

[Retrieved January 7, 2019]

#### ❖ Propagation Methods of Selected Horticultural Crops by Specialized Organs: Review

<https://www.omicsonline.org/open-access/propagation-methods-of-selected-horticultural-crops-by-specializedorgans-review-2376-0354-1000198.php?aid=89042&view=mobile>

This webpage provides information about the horticultural propagation methods implemented in Ethiopia.

[Retrieved January 7, 2019]

#### ❖ Basic training in landscape maintenance and installation

<http://www.ocewd.org/landscape-training>

“This webpage offers basic landscape training program designed to serve as a fundamental training program for entry-level landscapers. The program is also intended to prepare experienced landscapers to take the Landscape Industry Certification - Exterior Test (LICT).”

[Retrieved December 2014]

#### ❖ Bay-friendly landscaping & gardening coalition

<http://www.bayfriendlycoalition.org/BFTQP.shtml>

“This webpage offers a training program for two tracks: Maintenance Training for Existing Landscapes and Design Training for New Landscapes. Both provide a comprehensive education in the Bay-Friendly approach and are taught by industry experts in storm water

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space areas. It also includes competency in growing plants and trees with a goal of creating beautiful and environmentally healthy landscapes. Workers at this level will be working under the supervision of landscape supervisor / manager.

### Core Competencies

- Provide site clearing and grubbing activities
- Perform rough grading operations
- Perform site preparation activities
- Install plants at designated locations as designed
- Install plant supports
- Maintenance
- Trim and prune landscape plants
- Perform weeding and cultivation
- Apply fertilizer (Nutrition)
- Water/Irrigate plants
- Control and prevent plant pest and diseases
- Provide plant support
- Perform lawn grass maintenance
- Perform re-planting activities
- Collect, dispose and utilize organic waste

Qualification:

### **Pest Management (Vegetable) NC II**

This qualification consists of competencies that a person must achieve in implementing pest management activities in both backyard and commercial vegetable farms. Specifically, it involves carrying out competencies in pest management in relation to the growing of vegetables specifically solinaceous crops such as tomato, pepper and eggplant, and crucifers such as cabbage, broccoli, cauliflower,

management, water conservation and irrigation, plant selection and care, soil health, and more.”

[Retrieved December 2014]

### ❖ **Landscape Management Degree and Certificate Program Information**

[http://education-portal.com/articles/Landscape\\_Management\\_Degree\\_and\\_Certificate\\_Program\\_Information.html](http://education-portal.com/articles/Landscape_Management_Degree_and_Certificate_Program_Information.html)

“Individuals who are interested in landscape management can get career training through associate's and bachelor's degree as well as certificate programs. Read on to learn about required courses, career options and opportunities for professional certification from this webpage.”

[Retrieved December 2014]

### ❖ **LS training system**

<http://www.lstraining.com/>

“This webpage offers unique training lessons to help employees work smarter and safer. Each lesson in our training system consists of 3 components - the online training video, the online exam and the practical training checklist.”

[Retrieved December 2014]

### ❖ **Pest management**

<http://www.pinoyrkb.com/main/pestmanagement>

“This webpage provides information about the ecological method of reducing pests in farmland using traditional and practical methods without using harmful chemicals and pesticides.”

[Retrieved December 2014]

### ❖ **Integrated pest management**

<http://www.fao.org/agriculture/crops/thematic-sitemap/theme/pests/ipm/en/>

“This webpage provides information about the various methods to be used in eliminating or reducing pests in farm crops and vegetation.”

[Retrieved December 2014]

### ❖ **Pest control**

<http://www.lstraining.com/>

“This webpage from wikipedia.com defines pest control as the regulation or management of a species defined as a pest, usually because it is perceived to be detrimental to a person's health, the ecology or the economy.”

[Retrieved December 2014]

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and Chinese cabbage.

### Core Competencies

- Conduct field assessment
- Apply bio-control measures
- Apply cultural management strategies
- Apply physical control measures
- Apply chemical control measures
- Monitor results of pest management activities and provide feedback

Qualification:

### Rice Machinery Operations NC II

This qualification consists of competencies that a person must achieve in the operation and basic routine maintenance of rice machinery for land preparation, crop establishment, crop care, harvesting and threshing, drying and milling.

### Core Competencies

- Operate rice land preparation machinery and equipment
- Operate rice crop establishment machinery and equipment
- Operate rice crop care machinery and equipment
- Operate rice harvesting and threshing machinery and equipment
- Operate rice drying machinery and equipment
- Operate rice mill machinery and equipment

### ❖ Illustrated Guide to Integrated Pest Management in Rice in Tropical Asia

<http://irri.org/resources/publications/books/illustrated-guide-to-integrated-pest-management-in-rice-in-tropical-asia-english>

“This webpage provides practical and comprehensive information to IPM workers in rice fields throughout tropical Asia. It briefly discusses rice plant structure and growth stages and stresses their relation to pest.”

[Retrieved December 2014]

### ❖ Rice machinery operations in the Philippines

<http://www.courses.com.ph/rice-machinery-operations-nc-ii-tesda-course-philippines/>

“This webpage from courses.com provides details on courses offered by institutions based on promulgated training regulations.”

[Retrieved December 2014]

### ❖ Harvesting operations

<http://www.knowledgebank.irri.org/step-by-step-production/postharvest/harvesting/harvesting-operations>

“This webpage from knowledgebank.irri.org provides information on the harvesting of rice using various methods. It also features videos and photos to enhance the info provided.”

[Retrieved December 2014]