



24 May 2012

**SPECIAL ORDER**

NO. 405

Series 2012

**SUBJECT: AUTHORITY TO ATTEND GEOMATICS TRAINING COURSE FOR AGRICULTURAL MAPPING USING HIGH RESOLUTION SATELLITE IMAGERY**

In the interest of service and to develop the human resource capacity of the Department of Agriculture in processing and analyzing high resolution satellite imagery particularly in agricultural mapping and classification, the University of the Philippines Training Center for Applied Geodesy and Photogrammetry (UP-TCAGP) will conduct a **Geomatics Training Course for Agricultural Mapping using High Resolution Satellite Imagery** as part of the Capacity Building Program of the Unified and Enterprise Geospatial Information System (UEGIS) Project.

The following DA agencies/offices are hereby authorized to send delegates to attend the training scheduled as follows:

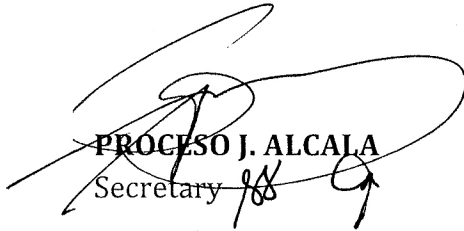
LUZON A		LUZON B		VISAYAS		MINDANAO A		MINDANAO B	
<i>July 23-Aug. 3, 2012</i>		<i>Oct. 1-12, 2012</i>		<i>Aug. 20-31, 2012</i>		<i>July 30-Aug. 10, 2012</i>		<i>Sept. 7-13, 2012</i>	
<i>Manila</i>		<i>Manila</i>		<i>Iloilo</i>		<i>Cagayan De Oro</i>		<i>Davao</i>	
RFU 1	4	RFU 4A	4	RFU 6	4	RFU	4	RFU 9	4
RFU 2	4	RFU 4B	4	RFU 7	4	RFU 12	4	RFU 11	4
RFU 3	4	RFU 5	4	RFU 8	4	RFU 13	4	ARMM	2
CAR	4	ITCAF	1	BAS	1	BAS	1	ITCAF	2
ITCAF	1	BSWM	3	ITCAF	2	BFAR	3	PS	2
BSWM	3	PS	1	PS	2	ITCAF	2	BAS	1
PS	1	BAS	1	NIA	4	PS	2	BAR	2
BAS	1	BFAR	3	OSEC	2	NFA	2	ATI	2
PhilRice	2	FOS	2	SRA	2	FOS	2	PCA	2
PhilMech	2	PhilRice	2	BAI	2	BSWM	1	BSWM	1
		PhilMech	1					BAI	2
<b>Total pax</b>	<b>26</b>		<b>26</b>		<b>27</b>		<b>25</b>		<b>24</b>


The **Training Needs Assessment** and **Nomination Forms** attached to this Special Order should be filled-up and submitted to the Training Secretariat ten (10) days prior to the conduct of training taking into consideration the qualifications of the training participants and the post-training covenants and deliverables.



Training participants are advised to bring laptops (at least 4GB of memory, 250GB disc space capable to run GIS applications) and Global Positioning System (GPS) unit.

Traveling expenses of the participants shall be charged to their respective offices/units. Payment for food, venue, and accommodation during the training period shall be provided by the UP-TCAGP subject to the usual accounting and auditing rules and regulations.

  
**PROCESO J. ALCALA**  
Secretary

DEPARTMENT OF AGRICULTURE  
  
In replying pls cite this code :  
**For Signature: S-05-12-0516**  
Received : 05/29/2012 03:28 PM

## TRAINING NEEDS ASSESSMENT FORM

*This training needs assessment is necessary to determine the topic and amount of time to be devoted for each topic, considering the academic background and work experience of the participant.*

<b>Name:</b>	
<b>Institution:</b>	<b>Region:</b>
<b>Office/Section:</b>	
<b>Office Address:</b>	

1. What is your position and designation in your office?
2. What are your five (5) main duties in your office
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_
  - d. \_\_\_\_\_
  - e. \_\_\_\_\_

3. Rate yourself 1 to 10 on the following (10 – expert; 1 – no idea)

Topic or Skill	Skill level (rate from 1: no idea to 10: expert)	Necessity and Relevance of topic in performing office functions (rate from 1 to 10)
Basic knowledge on Agricultural Mapping		
Basic knowledge on imagery (aerial photos and satellite images)		
Registration and rectification of images		
Enhancement of images (to show features more clearly)		
Atmospheric correction of images		
Mosaicking of images		
Interpretation of aerial photos for agricultural mapping		
Interpretation of satellite images for agricultural mapping		

Digital classification of images (e.g., land cover)		
Basic Cartography and Map Reading - scales, directions, lengths and sizes, use of maps)		
Map projections – putting all maps in one geospatial reference system, conventions used in the Philippines		
Use of GPS for Planning – Locating, wayfinding, mapping features in space		
Gathering of field data to evaluating image interpretation and classification		
Accuracy assessment of image classification		
Data sources, types and representation – where to get data? metadata, standards		
Data conversion – e.g. digitizing paper (by scanning, on-screen digitization) maps into GIS format		
GIS Data Integration		
GIS database skills – storage, conversion		
Spatial Analysis – performing suitability analysis using buffer, overlay functions		
Open Source GIS – alternatives to commercial GIS software		
Web mapping – putting your data and maps in the internet (like Google Earth™)		
Applications of GIS for agricultural studies		

4. What other topics would you suggest to be included in the training?

---



---



---



---

5. What are your expectations after taking the course in relation to the task assigned to you?

---



---



---

# NOMINATION FORM

Agency: \_\_\_\_\_

Training Course	Participant's Name
<b>GEOMATICS TRAINING COURSE FOR AGRICULTURAL MAPPING USING HIGH RESOLUTION SATELLITE IMAGERY</b>	1.
	2.
	3.
	4.

---

*(Signature)*

*(Agency Head/Authorized Official)*

Please accomplish the **Nomination Form** together with the **Training Assessment Form** and send not later than ten (10) days prior to the conduct of training.

Email [itcaf@da.gov.ph](mailto:itcaf@da.gov.ph)      [eva\\_caluya@yahoo.com](mailto:eva_caluya@yahoo.com)

[tjovette@yahoo.com](mailto:tjovette@yahoo.com)

Fax 920-4321 (BSWM) or 920-4069 / 927-8162 (ITCAF)

**GEOMATICS TRAINING COURSE FOR AGRICULTURAL MAPPING  
USING HIGH RESOLUTION SATELLITE IMAGERY**

**LIST OF PARTICIPANTS**

<b>Agency/Office</b>	<b>No. of Pax</b>	<b>Agency/Office</b>	<b>No. of Pax</b>
DA Regional Field Unit No. 1	4	Planning Service	8
DA Regional Field Unit No. 2	4	IT Center for Agriculture and Fisheries (ITCAF)	8
DA Regional Field Unit No. 3	4	Bureau of Animal Industry (BAI)	4
DA Regional Field Unit No. 4A	4	Bureau of Agricultural Statistics (BAS)	5
DA Regional Field Unit No. 4B	4	Bureau of Fisheries and Aquatic Resources (BFAR)	6
DA Regional Field Unit No. 5	4	Bureau of Soils and Water Management (BSWM)	8
DA Regional Field Unit No. 6	4	National Irrigation Administration (NIA)	4
DA Regional Field Unit No. 7	4	Philippine Center for Postharvest Dev't and Mechanization (PhilMech)	4
DA Regional Field Unit No. 8	4	Philippine Rice Research Institute (PhilRice)	3
DA Regional Field Unit No. 9	4	Field Operations Service (FOS)	4
DA Regional Field Unit No. 10	4	Office of the Secretary (OSEC)	2
DA Regional Field Unit No. 11	4	Bureau of Agricultural Research (BAR)	2
DA Regional Field Unit No. 12	4	Agricultural Training Institute (ATI)	2
DA Regional Field Unit No. 13	4	Sugar Regulatory Administration (SRA)	2
DA-Cordillera Administrative Region (CAR)	4	Philippine Coconut Authority (PCA)	2
DAF-Autonomous Region for Muslim Mindanao (ARMM)	2	National Food Authority (NFA)	2
		<b>Total No. of Participants</b>	<b>128</b>

**QUALIFICATIONS OF TRAINING PARTICIPANTS/MINIMUM CRITERIA**

- Computer Literate
- Preferably with Working Knowledge on Space Technology Applications
- Preferably assigned in the RS/GIS Laboratory (for RFUs)
- Employees who attended the previous UEGIS training on RS/GIS and Image Processing (ArcGIS and Envi) will be given priority
- Preferably Permanent Employee
- Service Contract (minimum of 1-year)

For RFUs should come from the following office:

- 1 – ICT
- 1 – Planning
- 1 – Research
- 1 – Engineering/RAEG

**POST-TRAINING COVENANT/DELIVERABLES**

- Will be assigned full time (for RFUs) in the RS/GIS Laboratory
- Development of Spatial database within their agency/office mandate
- Will be required to conduct echo training
- Institutionalization of UEGIS activities following DA standards