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Authoring Organization: Del Mar College

Written by: Nate Jennings

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Course Submission Form

Course Information (* required information)

Course Name* & Related Course Number (if applicable): GST 105 – Introduction to Remote Sensing
Credit Equivalence (optional):
Institution*: American River College
Contact Name*: Nathan Jennings
Contact Email Address*: nate@jenningsplanet.com
Contact Phone Number(s)*: 916-524-9151 (cell)

☒ Editing and Copyright Clearance/Verification

I acknowledge that all related materials including content and multimedia have been edited for grammar/spelling/mechanics and are free of copyright claim by any other person or organization and that the course can be provided publicly under the required Creative Commons license ([CC BY 3.0](https://creativecommons.org/licenses/by/3.0/)) to meet grant requirements.

Submission Checklist

Please select the correct course submission type: New Course, Modified Course, or Existing Course. When a course package is submitted, I will review the package to ensure it is complete. If there are missing documents, Karina Whetstine will communicate with the contact listed on the course submission form to obtain the needed materials before beginning the ID review of the course. Once all of the items are verified, the course will be reviewed and placed within the NTER platform with any requested multimedia items.

☒ New Course

All course content must be developed using open educational resources (OER) in order to be openly licensed under a [Creative Commons Attribution 3.0](https://creativecommons.org/licenses/by/3.0/) per the [Department of Labor \(DOL\) Solicitation for Grant Applications \(SGA\)](#) requirement.

____ **Course Alignment Matrix**

- Course Alignment Matrix includes the Suggested Schedule

____ **Syllabus:** All syllabus template elements complete (see separate syllabus template)

- Course Description
- Learning Outcomes/Competencies
- Recommended Text/Materials

____ All **modules/lessons** provided:

One Document per Module/Lesson:

- Module/Lesson Title
- Behavioral Objectives (observable/measurable)
- Instruction with relevant notations related to support documents and/or media requests
- In-lesson self-assessments with answer keys (if applicable)
- End-of-lesson assessments with answer keys, rubrics, scoring guides, etc. (if applicable)

Please check the appropriate box.



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☐ This course has no related lab.

☒ This course has a virtual lab(s).

☐ This course has a non-virtual lab.

___ All **Labs** provided (if appropriate)

- Title
- Objectives/Outcomes
- Activities
- Lab Assessments

___ **Stand Alone Assessments** with answer keys, rubrics, scoring guides, etc. (i.e. midterm and final exams; portfolio projects; presentations; etc.)

___ **Support Documents:** PowerPoint Files, Word documents, Video Files, etc. that are referenced for the instructional designer within the module/lesson documents.

___ **Key Words:** Provide 15 – 20 key words needed for the metadata used to make the curriculum searchable.

Key Words: Remote Sensing, Digital Image Processing, Aerial Photography, Satellite, Aerial Imaging, Imagery, RADAR, LiDAR, Orthophotography, Image Classification, Accuracy Assessment, Band Ratios, ArcGIS, Image Rectification, Image Processing Workflows, Imaging Sensors, Electromagnetic Spectrum, Supervised Classification, Unsupervised Classification, Spectral Signatures, Dendrogram, Error Matrix, UAV, Unmanned Aerial Vehicle, Open Source Digital Image Processing Software, Photogrammetry

___ This **submission form** 😊



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☐ **Modified Course: Module, Lesson, Lab, or other update**

*Any modifications or supplements made to modules, lessons, or labs using grant money must be “open.”

___ **Course Alignment Matrix**

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- Course Description
- Learning Outcomes/Competencies
- Suggested Schedule
- Recommended Text/Materials

___ **New Module/Lesson provided:**

One Document per Module/Lesson:

- Module/Lesson Title
- Behavioral Objectives (observable/measurable)
- Instruction with relevant notations related to support documents and/or media requests
- In-lesson self-assessments with answer keys (if applicable)
- End-of-lesson assessments with answer keys, rubrics, scoring guides, etc. (if applicable)

Please check the appropriate box.

- ☐ This course update has no related lab.
- ☐ This course update has a virtual lab(s).
- ☐ This course update has a non-virtual lab.

___ **All Labs** provided (if appropriate)

- Title
- Objectives/Outcomes
- Activities
- Lab Assessments

___ **Stand Alone Assessments** with answer keys, rubrics, scoring guides, etc. (i.e. midterm and final exams; portfolio projects; presentations; etc.)

___ **Support Documents:** PowerPoint Files, Word documents, Video Files, etc. that are referenced for the instructional designer within the module/lesson documents.

___ **Key Words:** Provide 15 – 20 key words needed for the metadata used to make the curriculum searchable.

Key Words:

___ This **submission form** 😊



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☐ Existing Course

- Syllabus
 - Course Description
 - Learning Outcomes/Competencies
- Information for Recommended Text/ Materials
- Suggested Schedule
- Please submit anything that your faculty has created for the course that they are willing to share in the “open.”

____ This **submission form** ☺

☐ Editing and Copyright Clearance/Verification

By submitting this course and all related materials including multimedia, you are confirming that all content has been edited for grammar/spelling/mechanics and is free of copyright claim by any other person or organization and that the course can be provided publicly under the required Creative Commons license ([CC BY 3.0](#)) to meet grant requirements.

☐ Final Review Reminder

Once the course has been placed within the NTER platform, the contact person listed above will receive notification for final review. The reviewer will then submit any necessary changes/updates or provide final approval.



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