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**Ohio Articulation Number (OAN)
Course Submission Form
2005-2006**



College/Univ Kent State University
ersity _____

Course(s) Submitted(Title & Course #) Organic Chemistry Lab II – for
CHEM30476
Ohio Articulation Number OSC010

Date 01/27/06

Name and title of individual submitting on behalf of the college/university

Name Gayle Ormiston Title Associate Provost for Faculty Affairs and Curriculum

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Credit Hours 1 qtr _____ sem 1

Lecture Hours _____

Laboratory Hours 1 (if applicable)

Pre-Requisites(s) Course work (if applicable)

CHEM30475, pre- or corequisite CHEM20482 or CHEM30482.

Placement Score (if applicable)

(Name of test)

(Domain) _____ (Score) _____

Catalog/Course Description (Includes Course Title and Course #)

Organic Chemistry II Lab CHEM 30476 (1 cr h). Continuation of CHEM 30475, involving multi-step organic experiments that utilize techniques introduced in CHEM 30475.

Texts/Outside Readings/Ancillary Materials

"Experimental Organic Chemistry" by L.M. Harwood, C.J. Moody and J.M. Percy.

Course Objectives and/or Plan of Work

Nuclear magnetic resonance spectroscopy (1 day)
Nitration of methyl benzoate (1 day)
Multistep synthesis of 4-bromoaniline from aniline (2 days)
Claisen-Schmidt reaction (2 days)
Synthesis of 4-vinylbenzoic acid via radical bromination/Wittig reaction sequence (3 days)
Protection of ketones (2 days)
Synthetic applications of Grignard reagents (2 days)
Diels-Alder reaction (1 day)

(*Each lab session is 3 h in duration.)

Description of Assessment and/or Evaluation of Student Learning

Weekly quizzes, maintenance of a laboratory notebook, weekly lab reports, final examination.

Master Syllabi and Working Syllabi (if both are used)

Check-in
Nuclear magnetic resonance spectroscopy
Nitration of methyl benzoate
Multistep synthesis of 4-bromoaniline from aniline
Claisen-Schmidt reaction
Synthesis of 4-vinylbenzoic acid via radical bromination/Wittig reaction sequence
Protection of ketones
Synthetic applications of Grignard reagents
Diels-Alder reaction
Check-out

(laboratory experiments will be rotated on a semesterly basis with other reserve experiments)

(*This course will be offered in this format for the first time in Fall 2006; hence, a master syllabus rather than a working syllabus is provided.)

Additional Documentation

Approved	
Additional Information Requested	
Rejected	
Date	

Ohio Articulation Number Form Directions

This form is each institution's OAN course information. This information will be submitted to the Ohio Board of Regents, as part of the faculty review process for each OAN within a given TAG. This document is a locked form, so the only fields that need to be filled in can be opened. When you open this document, make sure the top of the screen, where the name of the document is displayed, says "Document1". The file can be saved in a Word folder or to your desktop and it creates a blank template to fill in. Please fill it in with as much of the requested information as possible. All of the fields in this document are expandable, and will adjust to fit as many characters as you need. Each field is design to accept cut and pastes from other document sources that you may have on campus.

Once you are done filling in your course information, you need to save this file. Since the Word document opened a blank version of this file, you will need to rename is it to save it. Under file, choose "Save as" and then input the name of the file. The naming scheme for this form is Institution-Year-OAN number-Course Title and Number.

Example, if you were ABC Community College, and you were submitting your Calculus I - Math110 course, the name of the file would be ABC-2005-OMT005-Calculus I-Math110. If two (or more) courses are required to fulfill that same OAN, you would submit ABC-2005-OMT005-Calculus I MTH 110 - Calculus II Math 111, and so on for multiple submissions.

When you are done with your submissions, please send them electronically to the Ohio Board of Regents so we can keep your information on file. Please send these to Ora McRae at omcrae@regents.state.oh.us .