New York City College of Technology, CUNY

CURRICULUM MODIFICATION PROPOSAL FORM

This form is used for all curriculum modification proposals. See the [Proposal Classification Chart](http://openlab.citytech.cuny.edu/collegecouncil/files/2014/08/2013-10-09-Proposal_Classification_Chart.pdf) for information about what types of modifications are major or minor. Completed proposals should be emailed to the Curriculum Committee chair.

|  |  |
| --- | --- |
| **Title of Proposal** | Course description change |
| **Date** | February 20th, 2017 |
| **Major or Minor** | Minor |
| **Proposer’s Name** | Alberto Martinez |
| **Department** | Chemistry |
| **Date of Departmental Meeting in which proposal was approved** | September 1st, 2016 |
| **Department Chair Name** | Diana Samaroo |
| **Department Chair Signature and Date** | 2/20/2017 |
| **Academic Dean Name** | Justin Vazquez-Poritz |
| **Academic Dean Signature and Date** | 2/20/2017 |
| **Brief Description of Proposal**  (Describe the modifications contained within this proposal in a succinct summary. More detailed content will be provided in the proposal body. | This minor curriculum change proposal intends to modify the course description for the Principles of Chemistry (CHEM 1000) course |
| **Brief Rationale for Proposal**  (Provide a concise summary of why this proposed change is important to the department. More detailed content will be provided in the proposal body). | The proposed change will provide a more detailed and accurate description that better reflects the content and learning outcomes of the Principles of Chemistry (CHEM 1000) course |
| **Proposal History**  (Please provide history of this proposal: is this a resubmission? An updated version? This may most easily be expressed as a list). | New submission |

Please include all appropriate documentation as indicated in the Curriculum Modification Checklist.

For each new course, please also complete the New Course Proposal and submit in this document.

Please submit this document as a single .doc or .rtf format. If some documents are unable to be converted to .doc, then please provide all documents archived into a single .zip file.

**ALL PROPOSAL CHECK LIST**

|  |  |
| --- | --- |
| Completed CURRICULUM MODIFICATION FORM including: |  |
| * Brief description of proposal | 🗸 |
| * Rationale for proposal | 🗸 |
| * Date of department meeting approving the modification | 🗸 |
| * Chair’s Signature | 🗸 |
| * Dean’s Signature | 🗸 |
| Evidence of consultation with affected departments  List of the programs that use this course as required or elective, and courses that use this as a prerequisite. | 🗸 |
| Documentation of Advisory Commission views (if applicable). | N/A |
| Completed [Chancellor’s Report Form](http://openlab.citytech.cuny.edu/collegecouncil/files/2014/08/2013-10-09-Chancellor_Report_Quick_Reference_Guide1.doc). | 🗸 |

**EXISTING PROGRAM MODIFICATION PROPOSALS**

|  |  |
| --- | --- |
| Documentation indicating core curriculum requirements have been met for new programs/options or program changes. | N/A |
| Detailed rationale for each modification (this includes minor modifications) | N/A |

**Evidence of approval by the Chemistry Department. September 1st 2016 meeting minutes.**

Department of Chemistry

September 1, 2016 Faculty Meeting Minutes

1:00 pm – 2:00 pm

In attendance: D Samaroo (Chair), A. Martinez, T. Nicolas, P. Spellane, S. Tewani

New Business

1.  Department Appointments Committee Election -  1 member needed

Prof. Zimmerman effective date of retirement was spring 2016. As such a new member of the Appointments Committee was needed. Nomination and Election was carried out.

Prof. Martinez was unanimously voted in as the 5th member (untenured) of the Appointments Committee

2.  Curriculum Change -- CHEM 1000 Course Description

There was much discussion regarding the two proposed course descriptions of CHEM 1000.

The curriculum change was passed, with amendments.

3.  Curriculum Change to AS degree --- add MAT 2580 (linear algebra) and CHEM 3622 (Inorganic Chem) as electives

The department discussed the addition of MAT 2580 and CHEM 3622 as an elective under the AS degree. No vote was taken.

4. New Equipment

Several pieces of instrumentation were submitted to the college for purchasing.

NMR probe – via GRTI

LC-MS – via Capital Funds

Biomelt – via Capital Funds

The state of each acquisition was unknown. Responsible proposers were requested to follow up.

Minutes prepared by D.Samaroo

**Evidence of consultation with affected departments.**

What follows is evidence of consultation with departments whose students are required to take CHEM 1000.

* *Restorative Dentistry Department (Chairperson Prof. Anthony Sena)*

**From:** Anthony Sena  
**Sent:** Friday, February 17, 2017 1:09 PM  
**To:** Diana Samaroo  
**Subject:** RE: CHEM 1000

HI Diana,   
Sorry I forgot to respond to your previous message. The description looks good to our department. Thank you for contacting me again.

**From:** Diana Samaroo  
**Sent:** Monday, February 6, 2017 7:58 PM  
**To:** Anthony Sena  
**Subject:** CHEM 1000 minor curriculum change

Dear Prof. Sena,

The Department of Chemistry will submit a minor curriculum change that will modify the course description of CHEM 1000 - Principles of Chemistry, a required course in the Dental Laboratory Technology/AAS degree.  The proposed change is intended to provide a more detailed and accurate description of the course that will better reflects its content as well as its learning outcomes.

The proposed course description will be:

"This is a one semester course that will cover basic aspects of general and organic chemistry, as well as biochemistry. Focus will be placed on developing problem-solving and mathematical skills at levels appropriate to students new to chemistry. Key concepts include: atomic structure, states of matter, stoichiometry and chemical reactions, chemical bonding, acid-base theory, solutions and topics in organic and biochemistry, such as functional groups, saturated and unsaturated hydrocarbons, carbohydrates and protein structure and function."

The number of credit hours (lec and lab) as well as the course title will remain unchanged.

Please let me know whether you have any concerns.

Best regards,

Diana

Diana SAMAROO, PhD

Chair | Department of Chemistry

CUNY - New York City College of Technology

300 Jay Street, Pearl 613, Brooklyn, NY 11201

email: [dsamaroo@citytech.cuny.edu](mailto:dsamaroo@citytech.cuny.edu)

main: 718.260.5850

[Bachelor of Science in Applied Chemistry](https://www.citytech.cuny.edu/academics/deptsites/chemistry/bs.aspx)

* *Dental Hygiene Department (Prof. Joycelyn Dillon)*

**From:** Joycelyn Dillon <JDillon@citytech.cuny.edu>   
**Date:** 02/17/2017 10:29 PM (GMT-05:00)   
**To:** Diana Samaroo <DSamaroo@citytech.cuny.edu>   
**Subject:** Re: CHEM 1000 

Thanks for apprising me Diana. I have no concerns. I trust your judgment and defer to you r knowledge regarding the course and it's proper description.

Best,

Joycelyn

**From:** Diana Samaroo  
**Sent:** Monday, February 6, 2017 7:53 PM  
**To:** Joycelyn Dillon  
**Subject:** CHEM 1000 minor curriculum change

Dear Prof. Dillon,

The Department of Chemistry will submit a minor curriculum change that will affect the course description of CHEM 1000 - Principles of Chemistry, as required course in the Dental Hygiene curriculum.  The proposed change is intended to provide a more detailed and accurate description of the course that will better reflects its content as well as its learning outcomes.

The proposed course description will be:

"This is a one semester course that will cover basic aspects of general and organic chemistry, as well as biochemistry. Focus will be placed on developing problem-solving and mathematical skills at levels appropriate to students new to chemistry. Key concepts include: atomic structure, states of matter, stoichiometry and chemical reactions, chemical bonding, acid-base theory, solutions and topics in organic and biochemistry, such as functional groups, saturated and unsaturated hydrocarbons, carbohydrates and protein structure and function."

The number of credit hours (lec and lab) as well as the course title will remain unchanged.

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**Section AV: Changes in Existing Courses**

**AV.1. Chemistry**

**Changes to be offered in the Chemistry Department**

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** |  |  |  |
| **FROM:** |  | **TO:** |  |
| **Department(s)** | Chemistry | **Department(s)** | Chemistry |
| **Course** | Principles of Chemistry (CHEM 1000) | **Course** | Principles of Chemistry (CHEM 1000) |
| **Prerequisite** | Eligibility for ENG 092R  or CUNY proficiency in reading and  mathematics | **Prerequisite** | Eligibility for ENG 092R  or CUNY proficiency in reading and  mathematics |
| **Corequisite** |  | **Corequisite** |  |
| **Pre- or corequisite** |  | **Pre- or corequisite** |  |
| **Hours** | Lecture 3 hr.; Lab 3 hr. | **Hours** | Lecture 3 hr.; Lab 3 hr. |
| **Credits** | ~~4~~ | **Credits** | 4 |
| **Description** | ~~Atomic structure, elements, compounds and mixtures, formulas and nomenclature, physical states, bonding, acid-base theory, solutions, gas laws.~~ | **Description** | This is a one-semester course that introduces basic aspects of general and organic chemistry, biochemistry, as well as developing problem-solving and mathematical skills at levels appropriate to students new to chemistry. Key concepts include: atomic structure, states of matter, stoichiometry and chemical reactions, chemical bonding, acid-base theory, solutions, functional groups, saturated and unsaturated hydrocarbons, carbohydrates and protein structure and function. (Note: For Dental Hygiene, Restorative Dentistry, and Business and Technology of Fashion students only) |
| **Requirement Designation** |  | **Requirement Designation** |  |
| **Liberal Arts** | [ ] Yes [ ] No | **Liberal Arts** | [ ] Yes [ ] No |
| **Course Attribute (e.g. Writing Intensive, Honors, etc** |  | **Course Attribute (e.g. Writing Intensive, Honors, etc** |  |
| **Course Applicability** | |  | | --- | | [ ] Major | | [ ] Gen Ed Required | | [ ] English Composition | | [ ] Mathematics | | [ ] Science | | [ ] Gen Ed - Flexible | | [ ] World Cultures | | [ ] US Experience in its Diversity | | [ ] Creative Expression | | [ ] Individual and Society | | [ ] Scientific World | | [ ] Gen Ed - College Option | | [ ] Speech | | [ ] Interdisciplinary | | [ ] Advanced Liberal Arts | | **Course Applicability** | |  | | --- | | [ ] Major | | [ ] Gen Ed Required | | [ ] English Composition | | [ ] Mathematics | | [ ] Science | | [ ] Gen Ed - Flexible | | [ ] World Cultures | | [ ] US Experience in its Diversity | | [ ] Creative Expression | | [ ] Individual and Society | | [ ] Scientific World | | [ ] Gen Ed - College Option | | [ ] Speech | | [ ] Interdisciplinary | | [ ] Advanced Liberal Arts | |
| **Effective Term** |  |  |  |

**Rationale:** CHEM 1000 is a required course for dental hygiene and restorative dentistry students, and it is recommended for students in Business and Technology of Fashion. The department of Chemistry at NYC College of Technology proposes a minor change of curriculum for the Principles of Chemistry course (CHEM1000). The proposed change is intended to provide a more detailed and accurate description of the course that will better reflect its content as well as its learning outcomes.