**II. (a). TEACHING RESPONSIBILITIES**

Information should be provided for the past five years, with most recent term presented first.

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| Term(Eg. F06) | COURSENUMBERS(Eg. CAM 610) | BRIEF COURSE TITLES | CLASS SIZE(9th day) | CLASS SIZE(Final)\* | TA(Yes/No) | SummaryEvaluation† |
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\* Ending enrollment is defined as the number of students receiving grades of A, B, C, D, F, and S. Do not include students who received W, W+, and unresolved I or I+ grades as of the date of the promotion application.

† The average summary evaluation received for the course from the computer-scored portion of the student evaluation of teaching (i.e. Question 15).

**IV. (a). Proposals**

For funded multi-investigator proposals, please explain your role and approximate share of the total budget in footnotes (see example).

Annual effort funded is the number of summer or AY months of your salary covered by the grant.

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| **Year** | **Title** | **PI/Your role** | **Funding Agency** | **Total** **award** | **RA funds from grant** | **Person-months funded** | **Period covered** |
| ***Proposals funded:*** |
| 2012 | Efficient synthesis and characterization of carborane cages | PI | NSF | $125,000 | $60,000 | 1 mo/yr | 06/12-05/15 |
| 2011 | EPSCoR Research Infrastructure Improvement | PI: John DingbatRole: Senior investigator1 | NSF | $4,000,000(LaTech share) | $800,000 | 11 mo/yr | 10/11-09/16 |
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| ***Proposals not funded:*** |
| **Year** | **Title** | **PI/Your role** | **Funding Agency** | **Total****Budget** | **RA funds requested** | **Person-months requested** |  |
| 2012 | Molecular wires from functionalized carborane cages | PI | NSF | $300,000 | $60,000 | 1 mo/yr |  |
| 2011 | Applications of graph theory to classify molecular cage structures | PI: Math WizardRole: Co-PI | NSF | $150,000 | $30,000 | 1 mo/yr |  |
| 2010 | Functionalized carborane cages for molecular electronics | PI | NSF | $300,000 | $60,000 | 1 mo/yr |  |
| 2010 | CAREER: Graph theoretical approach to synthetic route design – application to carborane cages | PI | NSF | $400,000 | $100,000 | 2 mo/yr |  |
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# 1. 2011: EPSCoR RII grant: I was one among 11 senior investigators at LaTech (42 investigators total). My project involved functionalization of carborane cages for molecular electronics applications. My share of the budget included 1 mo/yr of summer salary, $20K for one graduate student, $2,500/yr in travel and $10K/yr in supplies.

**IV. (b). Graduate Student Advising**

Served as Chair/Co-Chair of the committees of the following students:

[Service as Committee Member listed in Section I (Vitae) or Section V (Service)]

**Master of Science**

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| --- | --- | --- | --- | --- |
| **Name** | **Degree/****Conc** | **Year of Grad.** | **Thesis/****Practicum****/Dissertation** | **Title** |
| John Dingbat | MSE/EE | 2008 | Thesis | Correlation between carpet fiber types and generation of static electricity |
| Emma R. Ducks | MS/PHYS | 2009 | Practicum | Running around Fermilab with circuit boards and looking important |
| Noti Fycanhelpit | MS/MSNT | 2011 | Thesis | The Atomic Force Microscope as a tool for zapping ants and other bugs |
| Huevos Rancheros | MSE/CE | 2012 | Practicum | Directional Tunneling: A Historical Study from the Prison Population’s Perspective. |
| L. Ifiknow | MSE/ChE | DropOut | - | - |

**Doctor of Philosophy**

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| **Name** | **Degree** | **Year of Grad.** | **Dissertation Title** |
| Harry Armpits | PhD/ENGR | 2009 | Fifty ways to get into IfM after dark |
| Tsing Tao | PhD/ENGR | 2010 | Building Chester Wilson one atom at a time – the bottom-up approach |
| Ari Fleischer | PhD/CAM | 2010 | Algorithmic Approach to Obfuscation by Excessive Verbiage |