

REQUEST FOR IPRO PROJECT PROPOSALS FOR SPRING 2010

DATE: September 9, 2009

FROM: Tom Jacobius (jacobius@iit.edu or 312.567.3986)

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To: Deans: R.Betts, C.R.Carlson, N.DePaola, H.Kahalas, H.Krent, E.Mitchell, D.Robertson, P.Whitney

cc: **Heads of Academic Units:** F.Hickernell, P.Ireland, N.Lederman, K.McKee, J.Mohammadi, J.Prakash, K.Riley, M.Shahidehpour, X.Sun, R.Trygstad, V.Turrito, J.Yagoobi, J.Zasadzinski

Associate Chairs, Academic Advisers, University Faculty Leadership: J.Abbasian, N.Aderangi, M.Anastasio, P.Anderson, T.Anderson, H.Arasatooopour, R.Ayman, S.Balasubramanian, M.Bauer, J.Bilson, S.Bishnoi, B.Cage, A.Cinar, H.Clack, E.Collins, B.Dow, D.Fahnstrom, G.Fasshauer, A.Glodowski, M.Gorham, M.Gosz, J.Grimes, C.Hood, J.Hopkins, A.Howard, P.Johnson, J.Kallend, I.Khan, R.Krawczyk, K.McKee, K.Meade, N.Menhart, P.Murphy, K.Nagle, C.Nippert-Eng, J.O'Leary, S.Parulekar, S.Peters, P.Pettigrew, G.Pulliam, H.Rubin, J.Saniie, R.Schleser, C.Segre, S.Sennott, M.Snyder, J.Spani, B.Stark, F.Teymour, P.Troyk, J.Trygstad, J.Twombly, R.Wang, C.Wark, C.White, D.Williams

Current Fall 2009 IPRO Instructors: S.Beck, A.M.Beckman, J.Braband, J.Budiman, J.Burstein, J.Caltagirone, M.Chadha, D.Chmielewski, J.Cobo, B.Davis, R.Ellis, O.Frieder, J.Gang, D.Gatchell, M.Glynn, M.Gottlieb, N.Hamill-Governale, M.Huyck, C.Lam, F.Lane, P.Lewis, P.Lykos, W.Maurer, T.J.McLeish, S.Mostovoy, M.Pelsmajer, L.Pulik, V.Ramani, D.Rempfer, L.Rohter, F.Ruiz, K.Schug, L.Shunia, J.Stoner, D.R.Tomal, T.Wong, W.G.Yee

Interested Others: J.Adelman, S.Al-Hallaj, J.Alexis, P.Anderson, R.Anderson, T.Anjali, J.Arens, D.Baker, R.Ballard, L.Batson, C.Bauer, M.Bauer, M.Bauer, A.M.Beckman, S.Benjamin, J.Bierig, S.Brady, E.Brey, C.Bridgeman, G.Broadhead, G.Bunker, J.Cink, H.Clack, J.Claire, E.Collins, J.Collins, S.Conger-Austin, C.Conley, G.Doyle, L.Durango-Cohen, K.Denney, J.Durbrow, M.Elnimeiri, A.Emadi, P.Fagette, D.Fahnstrom, E.Feldy, S.Feinberg, M.Felsen, S.Fesko, C.Fischer, B.Fisher, F.Flury, L.Friedman, E.Geisler, G.S.Gehrs, D.Geiger, J.Gregory, A.Griffith, J.Grimes, D.Grossman, A.Hall, C.Hall, Z.Hench, L.Hitchen, C.Hood, J.Houlihan, P.Houser, B.Hughes, R.Johnson, K.Kawa, L.Kennedy, A.Khalig, N.Khalili, M.Kolody, R.Krawczyk, J.P.Kusz, V.Kumar, R.Ladenson, P.Land, R.Lapointe, L.Lazar, J.Lederman, M.Lee, Z.Li, J.Liao, H.Lindahl, S.Lindee, H.Mallgrave, T.J.McLeash, N.Menhart, M.Miller, D.Mogul, L.Montgomery, B.Mueller, S.Mueller, P.Murphy, H.Nagib, S.Nair, P.Nash, G.Nassos, R.Nicholes, M.Nieswandt, C.Owen, T.Pantone, H.Perritt, D.Pistrui, X.Qian, M.Quirk, G.Raman, J.Robinson, N.Rokop, K.Sato, V.Scarlata, G.Schipporeit, J.Shen, H.Shields, G.Siegel, R.Smothers, J.Snapper, S.Stanard, C.Stewart, R.Sweetsers, B.Thakkar, D.Tijunelis, B.VanVliet, M.Wernick, A.Wilkin, V.Winans, D.Winkin, B.Wu, M.Young, J.Zalc, J.Zawojewski, Y.Zhang

Interprofessional Studies Committee of the University Faculty Council (AY 08-09): P.Troyk (Chair), J.Braband, D.Chmielewski, D.Gatchell, M.Gosz (ex officio), M.Huyck, T.Jacobius (ex officio) R.Krawczyk, P.Lykos, K.Meade, M.Nieswandt, M.Pelsmajer, F.Ruiz, M.Safar, K.Sato, M.Snyder, T.Wong, W.G.Yee

Office of Provost: A.Cramb, D.Roberson, M.Gosz

IPRO Program Team: Jennifer Keplinger, Shital Patel

Spring 2010 IPRO Project Proposals are due no later than Monday, October 5 via our on-line IPRO Proposal System. New for Spring 2010, IPRO proposals are coordinated through the deans of IIT's colleges, as described below. By October 5, the dean of each college must submit to Tom Jacobius (jacobius@iit.edu) the official proposed list of IPRO projects and instructors for its college by the deadline using the template for a "College IPRO Project Proposal Portfolio" (see attached example). The proposals themselves are submitted on-line directly by faculty members. Faculty members wishing to propose IPRO

projects must review their interest and plans with their dean and academic unit head. IPRO proposals include current, previous, or entirely new projects that faculty members would like to offer through their colleges and academic units and which will be recognized as part of their teaching load. Please note that all proposals must be submitted using the on-line IPRO Proposal System at <http://sloth.iit.edu/~iproadmin/proposals>. The on-line form follows the traditional IPRO Project Proposal format (attached). No IPRO proposal will be reviewed unless it is submitted on-line and is included in the IPRO Project Proposal Portfolio submitted by a dean.

Important IPRO Section Scheduling Dates for Spring 2010

October 5:	(1) IIT faculty members submit their IPRO Project Proposals on-line at http://sloth.iit.edu/~iproadmin/proposals .
	(2) College Deans submit a summary College IPRO Proposal Portfolio via email to IPRO director. (See attached)
October 5 - 16:	IPRO director reviews proposals and clarifies any issues with deans and faculty members prior to online release of IPRO proposals to the Review Panel
October 23:	IPRO Proposal Review Panel convenes to review all IPRO Project Proposals, making recommendations to IPRO director and raising questions and concerns that merit additional discussion with the IPRO proposers and deans.
October 26:	IPRO director notifies Registrar, deans, academic units and faculty of approved IPRO sections for registration and provides necessary information for scheduling IPRO course sections
October 27:	Spring 2010 IPRO Projects listed at Banner Student and the IPRO web site at http://ipro.iit.edu/project-listings .
November 9:	Advance Registration and Advising Begins
November 16:	Registration Begins
December 4:	IPRO Program Office reviews IPRO course section enrollments. Cancellation decisions may be made on the basis of registration by December 4. The decision to cancel or not is based on the number of students enrolled (i.e., minimum of seven students is required), the prospect of attracting additional students and the need to accommodate a sponsor.

The following sections offer a practical guide to thinking about and preparing an IPRO project proposal, including:

- **IPRO Project Creation**
- **IPRO Course Structure and Coaching/Learning Expectations**
- **IPRO Proposal Review Process**
- **Guidelines for Preparing an IPRO Project Proposal**
- **Adding New Sections or Canceling Sections on a Continuous Basis**

IPRO Project Creation

The IPRO proposal process is competitive and involves peer review in order to identify the highest quality *interprofessional* topics, create an appropriate number of IPRO course sections to accommodate student enrollment in general and offer a balanced portfolio of IPRO course sections that is responsive to significant trends in enrollment across academic units. The IPRO Program Office will notify deans, academic unit heads and faculty members proposing IPRO projects by October 26 concerning the results of the review process.

Many IPRO projects are proposed by faculty members, whether regular or part-time, and cutting across all IIT colleges. Students may also initiate an IPRO proposal. Students who have an idea follow the same procedures outlined herein. The idea must be sufficiently developed so that it can be thoughtfully evaluated. Students must secure the firm commitment of one or more faculty members with the expertise to advance the project as the IPRO instructor(s); and the faculty member's academic unit must be aware of and endorse any proposal before it is submitted.

In the case of prospective sponsoring organizations, the IPRO director works with them to identify appropriate IPRO instructors for the topics that they are contemplating. This leads to a conversation between representatives of the sponsoring organization and the faculty members to confirm and plan the IPRO project in time for registration listing. In some cases, it is the faculty members who have the initial contact with a prospective sponsoring organization, and the IPRO director then helps to coordinate the development of a sponsored IPRO project that meets everyone's expectations. Sponsoring organizations may include traditional corporations, entrepreneurs, small businesses, non-profit organizations and government agencies.

Our goal is to create a sufficient number of IPRO course sections that allow students to meet the general education requirements for completing two interprofessional project courses. This is accomplished by offering a diversity of IPRO course sections, each of which constitutes an interprofessional student team mentored by a faculty member from any college or academic unit. Such IPRO course sections currently have at least three characteristics: (1) they are comprised of twelve students on average, with at least three disciplines and at least two academic units represented and ideally comprised of students from more than one college or professional program, (2) they focus on complex, contemporary interdisciplinary problem solving topics provided by sponsors, faculty or students that provide significant opportunity for interaction with professionals at IIT and the workplace throughout the semester, and (3) they involve open-ended problems and challenges that are best addressed through the original, creative thinking and effort of an interprofessional team.

In this regard, colleges and their academic units proposing IPRO projects that also satisfy capstone requirements for their students have a special obligation to plan for an appropriate number of IPRO sections. This should be based on a careful projection of the number of graduating seniors that must be accommodated in capstone-oriented IPRO projects. Based on our learning goals related to the IPRO team experience and feedback from students, it is extremely important to avoid large teams (i.e., over 15 students) and large groups of students

from one academic unit on the same team (i.e., more than half the team composition), both of which have a negative effect on the quality of the IPRO experience.

Deans, academic unit heads and faculty members are naturally inclined to conceive and recommend IPRO projects based on the programs of study that they offer and the students that they serve. The art of the IPRO project, however, is to conceive of IPRO project topics that (a) not only represent strong opportunities for rigorously applying knowledge and innovating solutions and (b) but also offer a rich and balanced multidisciplinary character by design, thereby appeal to students from various appropriate colleges and academic units. Given IIT's vision of fostering greater interdisciplinary collaboration among faculty members such broad thinking about IPRO topics across the boundaries of the professions should be encouraged and celebrated to offer students from across the university an exciting array of contemporary open-ended complex problem solving challenges. This can be accomplished in effective and interesting ways via proposals involving faculty members as IPRO co-instructors across the colleges.

IPRO Course Structure & Coaching/Learning Expectations

By submitting an IPRO project proposal, faculty members and their academic units share the following beliefs associated with the IPRO course experience and agree to collaborate with the IPRO Program Team to serve the needs and meet the expectations of our students.

“Interprofessional education refers to **the teaching and learning of students from different professions together** during all or part of their professional training **in order to promote collaborative working** in their professional practice.”
(<http://en.wikipedia.org>)

Interprofessional (IPRO) Projects (6 credit hours). “Students will participate in at least two Interprofessional Project experiences. These projects develop communication, teamwork and leadership skills, as well as an awareness of economic, marketing, ethical and social issues within the framework of a multidisciplinary team project. The project teams are integrated across academic programs at different levels within programs.” (IIT Undergraduate Bulletin)

IPRO Program Mission Statement. Provide all IIT students with an exemplary experience in making contributions as part of a high performance team by applying professional methods in a rigorous fashion to develop viable solutions that create value.

The IPRO course is guided by an IPRO Syllabus Template (available upon request) that outlines various critical expectations associated with delivering the IPRO course in terms of: (a) the learning objectives, (b) team deliverables assignments, (c) workshops and other activities that support learning about the interprofessional body of knowledge underlying effective performance of teams engaged in open-ended problem solving challenges, and (d) general guidelines for assigning grades based on individual merit, peer evaluation and team performance.

As an IIT communication course and as a course that is intended to offer students the opportunity to consider the ethical implications of their work, those who serve as IPRO instructors have an obligation to support the fulfillment of these learning opportunities within the IPRO team environment and in partnership with the IPRO Program Team.

IPRO Proposal Review Process

The IPRO Program Office coordinates an IPRO Proposal Review Panel comprised of faculty and student members that span the university as members of the Interprofessional Studies Committee appointed by the University Faculty Council. For the current year, Professor Phil Troyk serves as chairperson for the ISC. Student members include the student leadership of IIT and representation from its colleges that offer undergraduate programs.

As IPRO Project Proposals for spring 2010 are received through the on-line IPRO Proposal Process, the IPRO director reviews them in a preliminary fashion for completeness and to address any obvious questions that might be anticipated during the panel review session. The IPRO director also confirms that the dean and head of the appropriate academic unit has authorized the proposal(s).

The panel is given access to the proposals on-line, along with the Criteria for Evaluating IPRO Project Proposals (see attached) at least one week in advance of the review session. The IPRO director provides a brief synopsis of the proposed project to stimulate discussion among the panelists. All new and continuing IPRO proposals are reviewed in a session that requires several hours to complete, resulting in an evaluation of each proposal and recommendations concerning its viability as an IPRO project. This information provides the IPRO director with firm guidance regarding the listing of IPRO projects for spring. In general, priority is given to continuing successful IPRO projects and to projects that are sponsored or have strong external collaboration.

Guidelines for Preparing an IPRO Project Proposal

Faculty must submit their IPRO Project Proposal using the on-line IPRO Proposal Process at <http://sloth.iit.edu/~iproadmin/proposals> by Monday, October 5. This assures that there is sufficient time for the IPRO proposal review process, follow-up with proposers for proposal refinement and clarification, and preparations to list projects via Banner Student and the IPRO web site. At the same time, the dean of each college should e-mail Tom Jacobius an official list of proposed IPRO projects that include the project titles and names of the instructors. A special panel that is comprised of faculty and student members of the Interprofessional Studies Committee of the University Faculty Council will critically review IPRO Project Proposals in terms of the following information that is prompted by the online IPRO Proposal Process and represented by the attached IPRO Project Proposal format:

- ❖ **Problem Statement, Project Course Structure and Preliminary Plan.** (*Sections IV and V of the IPRO Project Proposal should incorporate this information to the greatest extent possible. Section IV captures the problem statement that can be directly used at*

the IPRO web site and Banner Student to provide information to students about the project in addition to its title. Section V describes in greater detail the value of the project and what it entails, as well as what the team will focus on. Fields (a) through (g) prompt the proposer for information. The narrative can also be uploaded as a file that should not exceed two pages.) We regard the IPRO course as an opportunity for students to develop and apply their knowledge in a project team environment. Learning occurs within the interprofessional course in two ways that are intertwined and complex: (1) through the process of refining goals, creating plans, organizing people and resources, monitoring progress, documenting work and communicating accomplishments and (2) by creating a work product that demonstrates technical achievement. Nevertheless, it is incumbent upon faculty proposing an IPRO project, as is true of any traditional course to (a) carefully define and recommend an achievable goal or end-result for the proposed IPRO project team and (b) outline sufficient content and structure for the semester that challenges the team and gives it the greatest opportunity for development and success. This must be done in concert with any sponsoring organizations, although sponsorship is not a requirement to propose an IPRO project. Tom Jacobius and experienced IPRO faculty are a resource for any such planning. As a result, a strong IPRO proposal will offer a preliminary plan for the semester that provides the framework and major guideposts for a team as it begins its work, whether continuing a previous project or starting up a new project. It is unacceptable to suggest that it is the team that must start from scratch without serious prior faculty contemplation. In this spirit, it is incumbent upon the faculty proposing the IPRO project to determine and confirm whether or not the project will involve survey research that demands application to the Institutional Review Board (IRB) for Human Subjects. Refer to <http://www.iit.edu/research/services/orcpd/> for guidance. Advance planning is crucial, since the IRB review process requires sufficient review time in advance of undertaking any research involving human subjects.

- ❖ **Learning Objectives.** (*Section V of the IPRO Project Proposal should address the learning objectives in an appropriate fashion.*) The interprofessional experience is a two-course general education requirement representing six credit hours that all undergraduates must complete. Each IPRO course section must offer students an interprofessional experience that meets our learning objectives, with a critical aspect being the opportunity for students from multiple disciplines and professional programs to work on tasks that challenge them to apply knowledge relevant to their field of specialization. Since we have a growing number of faculty members who wish to offer an IPRO topic, we must carefully consider the number of sections that we open, as with any course at IIT. Those projects offering the greatest potential for achieving interprofessional course learning objectives will be given priority. The learning objectives are achieved through IPRO course sections that represent unique open-ended, complex projects that offer each student the opportunity to apply discipline-specific knowledge and methods in the context of: multidisciplinary teamwork, project management, communication and real-world problem solving (including ethical and other non-technical considerations). In addition, (a) students have opportunities to develop their resourcefulness and diligence in gaining new knowledge or skills (i.e., good lifelong learning practices) and (b) students who have completed their first IPRO course

gain practical experience and valuable insight that can develop their leadership potential through their second IPRO course.

- ❖ **Multi-Semester Projects.** (*Section V of the IPRO Project Proposal should describe any plans for multi-semester projects.*) Proposals for carefully designed two-phase projects (e.g., a one-semester feasibility phase followed by a one-semester implementation phase) will be given special consideration. This represents a direction for delivering the IPRO course experience that we wish to encourage, based on substantial feedback from sponsors, faculty and students, as well as benchmarking of similar programs at other universities. This also supports our strategy to seek annual funding from sponsoring organizations. Just as important, students choosing to join sponsored projects in particular will be encouraged to plan their schedules so that they can remain with the same team for two semesters and will be given priority IPRO enrollment.
- ❖ **Team Size and Breadth of Disciplines.** (*Sections VI and VII of the IPRO Project Proposal should specify this information.*) We will review the proposals to make sure that the lead faculty have specified the disciplines appropriate to their project, and specified any constraints on the number of students from a particular discipline that are different from the default constraints. As a general rule, a viable and truly *Interprofessional* Project (IPRO) team section must include students from more than one academic unit, at least three disciplines and at least two professional programs. No more than half of the team should be comprised of students from the same academic unit. We aspire to have all IPRO sections incorporate students from at least three professional programs. In some cases, faculty may wish to screen students who are interested in their IPRO course section and permit them in individually, and this request should be noted in their project description. Such screening can be in the form of submitting a resume, an interview, or otherwise sharing qualifications, completed coursework, experience, and passion to learn and gain experience that supports a student's potential role on a team or continuation on the same team. The typical size of an IPRO team is about 12 students. There may be teams with as few as 7 students or as many as 15 students, depending on the scope and appeal of the project. In the case of IPRO sections proposed to satisfy a degree program's capstone design requirement it is critical that the academic unit carefully consider the number of capstone-oriented IPRO sections needed in a given semester to satisfy the number of seniors that are required to enroll in such sections so that the proportion of students from the same academic unit does not exceed one-half of the anticipated team size and that the team size does not exceed 15 students.
- ❖ **Schedule.** (*Section X of the IPRO Project Proposal should specify this information.*) The proposal must specify the specific day and time for their IPRO course section, consistent with other course obligations and with IIT's standard course schedule template. Failure to provide this information can result in delays in listing the IPRO section by the Registrar. As a three-credit-hour course, all IPRO sections are expected to meet formally with instructors a minimum of 150 minutes per week. The Tuesday/Thursday 3:15 to 4:30 time slot remains a good choice for attracting the broadest and greatest number of students, since there are still relatively few other courses scheduled at this time. We do provide accommodations by scheduling IPRO course sections at other times, since (a)

there are students who do have other required classes that conflict with the Tuesday/Thursday afternoon time, and (b) instructors may lead more than one IPRO section or have constraints imposed by other courses that they teach. Students must have specific day/time information when they register, as with any IIT course. This means that faculty cannot expect to change the meeting day/time later. **Faculty should select the day/time carefully to avoid obvious conflicts with departmental courses required of students they are trying to recruit and who are critical to their proposed IPRO team.** (Example #1: The schedules of students on a current team that are encouraged to continue. Example #2: Institute of Design students who may have the best opportunity to fit an IPRO in their schedule on Tuesday and Thursday afternoons. Example #3: College of Architecture students who cannot enroll in an IPRO project during the standard 2 to 6 pm studio times on Monday, Wednesday and Friday) **We strongly advise IPRO instructors to discuss any planned project continuations with students on their current teams so that schedules can be coordinated to retain students from one semester to the next.** The following days/times are among the possibilities, based on recent experience:

- Tuesdays/Thursdays from 3:15 to 4:30 (this is the most common time for IPRO sections to be scheduled to attract the most students from the broadest number of disciplines, i.e. 27 of 84 teams in Spring and Fall 2009)
- Tuesdays/Thursdays from 5:00 to 6:15
- Mondays/Wednesdays from 3:15 to 4:30
- Mondays/Wednesdays from 5:00 to 6:15

❖ **Meeting Place.** (*Section X of the IPRO Project Proposal should specify this information.*)

Building and Room Locations. The IPRO Program Office coordinates building/room requests with the Registrar, and the Registrar assigns rooms to IPRO sections, as with any IIT course. As a default, we request that the IPRO section be located in the same building as that of the lead IPRO instructor's academic unit. If a faculty wishes to use a particular room that is under the Registrar's control, we will make the request to the Registrar. Alternatively, if the faculty plans to use a department conference room, that should be specified. We also have three conference rooms available in proximity to the IPRO Program Office at 3424 South State Street, Central Building, 4th Floor.

IPRO Team Building Session. All IPRO teams participate in the "IPRO Team Building Session", which includes an introduction to the interprofessional experience; a synopsis of semester activities, deliverables and tools for teams; an overview of high performance teamwork; and a team activity focused to creating an IPRO Team Charter. The IPRO Team Building Session requires use of the second regularly scheduled IPRO section class meeting time during the first week of classes. When there are multiple IPRO teams that meet at certain days/times, they will meet jointly in the HUB or MTCC for the IPRO Team Building Session. All students enrolled in IPRO sections and IPRO instructors will be notified in advance.

Other Campus Locations. Faculty may consider specifying a meeting location at other than the Main Campus to accommodate students who take classes at the Rice, Downtown and ID Campuses, as long as students from multiple disciplines and professional programs will participate.

❖ **Critical Budget Needs.** (*Section XI of the IPRO Project Proposal should specify this information.*) IPRO course sections do not generally require significant direct outlay of funds to be successful, and proposed projects requiring an extraordinary budget will not be approved. On average, IPRO teams require an average of \$500, with many teams requiring no funds and a few meriting investments that could range to \$2,000 on a case-by-case basis. IPRO sponsorship is encouraged but not required. Regarding IPRO sponsorships, the IPRO director coordinates IPRO sponsor prospects and the overall relationship with IPRO sponsors. IPRO projects funded by a sponsoring organization are assured of receiving sufficient funds in order to meet the sponsor's expectations. However, sponsor donations are not provided directly to individual IPRO instructors, IPRO project teams, academic units or colleges. Such donations are shared across the entire IPRO Program to support our events, approved team expenses and other program development needs.

Adding New IPRO Sections or Canceling Sections on a Continuing Basis

Adding New Sections. Through our competitive selection process, we may list on the order of 45 to 50 IPRO sections for Spring 2010 by the time registration begins. We will have a prioritized list of additional IPRO sections that could be added later. After advance registration begins, we may review and add projects, if we feel that the currently listed projects will have sufficient enrollment. Entirely new project proposals will only be considered after the initial deadline if they are sponsored by organizations that provide a donation directly to the IPRO Program. The unrestricted donation request of a corporate sponsor is \$15,000 per semester.

Canceling Sections. If necessary, and at the request of the lead faculty or sponsor, we will cancel projects or update project information on a continuing basis. We will also review enrollments in all IPRO course sections by December 4 and decide whether any should be cancelled or consolidated due to low enrollment (i.e., fewer than seven students enrolled), lack of multidisciplinary interest or withdrawal of sponsorship commitment.

IPRO PROJECT PROPOSAL

I. Lead Faculty and any consulting faculty from other units:

II. IPRO Project Title:

III. Sponsor or External Collaborating Organization (if any):

IV. **Problem Statement** (One or two paragraph summary of the project based on the narrative provided in Section V below. It will be posted at the IPRO web site and via Banner Student that students will be able to review, along with the title, when considering which IPRO project to choose)

V. **Narrative Description of Project (Including Project Course Structure and Preliminary Plan** (two pages or less please) (please give attention to the following, as a minimum: (a) contemporary significance of the problem or opportunity, (b) team purpose and goals, (c) major activities and tasks, (d) planning as a multi-semester phased project (if appropriate), (e) potential for achieving interprofessional learning objectives¹, (f) potential for immediate or long-term external collaboration or sponsorship, and (g) potential for rigorous application of at least two accepted research, design, business or other types of methodologies associated with professional practice)):

VI. **Section Size Limit** (Minimum size is 7, maximum size is 15 students):

- 10 students (default section size)
- _____ students (Please specify size limit)

VII. **Appropriate disciplines** (check the lines below to specify the individual disciplines appropriate to the project, and indicate any limit on number of students from a major (default number of students from one discipline is 50% of team size):

- | | |
|-------------------------------------|------------------------------------|
| _____ All disciplines are welcome | _____ Professional Development |
| _____ Architecture | _____ manufacturing technology |
| _____ Business | _____ information technology |
| _____ Design | _____ Psychology |
| _____ Engineering | _____ Science & Letters |
| _____ aerospace engineering | _____ applied mathematics |
| _____ architectural engineering | _____ biology |
| _____ biomedical engineering | _____ chemistry |
| _____ chemical engineering | _____ computer science |
| _____ civil engineering | _____ computer information systems |
| _____ computer engineering | _____ internet communication |
| _____ electrical engineering | _____ journalism |
| _____ engineering management | _____ mathematics education |
| _____ materials science/engineering | _____ molecular biochem/biophysics |
| _____ mechanical engineering | _____ physics |
| _____ Law | _____ political science |
| | _____ profess/tech communication |
| | _____ public administration |
| | _____ science education |

¹ The learning objectives are achieved through IPRO course sections that represent unique open-ended, complex projects that offer each student the opportunity to apply discipline-specific knowledge and methodologies in the context of: multidisciplinary teamwork, project management, communication, real-world problem solving (including ethical and other non-technical considerations), and resourcefulness and diligence in gaining new knowledge or skills (i.e., good lifelong learning practices). An Entrepreneurial IPRO has the added learning objective of applying business planning principles.

VIII. Describe plans or potential for collaboration with faculty members from other colleges or professional programs that strengthens the interprofessional experience:

IX. Request designation as an Entrepreneurial IPRO (EnPRO) (with the added team requirement of a business plan):

- Yes
- No
- Uncertain...tell me more

X. Identify class days/times and locations

Days/Times

- Tuesdays/Thursdays 3:15 to 4:30 (most typical due to reduced conflict with other courses)
- Tuesdays/Thursdays 5:00 to 6:15
- Mondays/Wednesdays 3:15 to 4:30
- Mondays/Wednesdays 5:00 to 6:15
- Other: _____

Location

Building/Room:

- I request the following building/classroom from the Registrar: _____
- I will accept any Registrar classroom assignment
- I will use the following conference or other room:

Campus:

- Main Campus
- Rice Campus
- Main Campus via Interactive TV with Rice Campus
- Downtown Campus
- 350 North La Salle Campus

XI. Critical Budget Needs (most projects do not require a budget):

XII. Faculty Qualifications (if you have not previously been an instructor for an IPRO course section, briefly (a) explain why you are motivated and feel qualified to coach/mentor a multidisciplinary open-ended problem solving team, (b) cite relevant experiences and accomplishments and (c) share your views on the key factors for team success) (limit response to one page please):

XIII. Reasons for Acceptance (offer three reasons why your proposal should be accepted and be offered as an IPRO project):

XIV. Student-Initiated Proposals Students may initiate an IPRO Project Proposal using this form; however, the designated faculty member(s) who has committed to serving as the instructor must submit all student-initiated proposals to the IPRO Program Office. The student(s) initiating the IPRO Project Proposal should be listed below by name, major, level and e-mail address, and may attach any additional information or justification that supports the proposal (limit response to one page please):

Student IPRO Initiator

Name:
Major:
Year:
E-Mail Address: