SVOLTASTUDENTI - POLITECNICO DI MILANO

ELECTORAL PROGRAM – STUDENTS' ELECTIONS 14-15 MAY 2019

SVOLTASTUDENTI IS THE FIRST ITALIAN ASSOCIATION AND NONPROFIT THAT REFLECTS THE ANGLO-SAXON MODEL OF THE STUDENTS' UNION, REPRESENTING STUDENTS WITHOUT ANY SPECIFIC PARTY OR RELIGIOUS GROUP THAT WON'T INFLUENCE ITS ACTIONS NOW OR EVER.

IT WAS BORN IN 2008 WITH THE OBJECTIVE OF INCLUDING ALL STUDENTS IN THE EDUCATIONAL AND DECISIONAL PROCESSES OF THE UNIVERSITY WHERE WE SPEND MOST OF OUR TIME. MADE UP OF STUDENTS, WITH THE PURPOSE OF OFFERING LESSONS, SPORTS, TRIPS, PROMOTING INTERNATIONAL EXCHANGES BETWEEN UNIVERSITIES AND GUARANTEEING THE QUALITY OF THE EDUCATIONAL OFFER THROUGH REPRESENTATION.

OUR MISSION IS TO CREATE OPPORTUNITIES FOR GROWTH FOR THE STUDENTS, SPREAD CULTURE AND REALIZE PROJECTS.

NON-PARTY AND NONDENOMINATIONAL

UNTIED FROM ANY TYPE OF PARTY, MOVEMENT OR RELIGIOUS GROUP.

MERIT E DSU

WE CONSTANTLY FIGHT FOR MERIT AND EQUAL RIGHTS.

INTERNATIONALIZATION

WE LOOK AT INTERNATIONAL EXPERIENCES AS AN OCCASION OF CONFRONTATION AND GROWTH.

PARTICIPATION

WE APPLY THE FORMULA OF INCLUSION OF THE STUDENT, AT 360°.

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ELECTORAL PROGRAM OF OTHER CAMPUSES

GENERAL PROGRAM

1. **Didactics**
- **Recording of lessons**: promote the instrument of recorded lessons, usable both by non-attending students and by those who wish to review topics already discussed
- Encourage the use of the Beep portal. Index the courses with the chronological insertion of the lessons carried out and therefore of all the topics dealt with, in such a way as to allow all the students to have a clear and continuous scheme
- Ensure the presence of exercises on the Beep portal with solution traces for each type of exercise dealt with
- Promote the screen sharing between the teachers' tablet and those of the students, to make the lesson more immediate and effective
- Make the publication of the exam topic just completed mandatory
- increase the maximum credit threshold to be included in the study plan
- Innovative teaching is a teaching modality interpreted differently from teacher to teacher; we want to set up a commission to control it, make it more efficient and more constructive
- Increase student's participation in the design of innovative teaching courses
- Introduce a final survey on the usability of teachers' English and on the relationship with digital resources (innovative teaching, etc.)
- Introduce in the survey questions related to the level of satisfaction of the tutoring courses
- Ask students for feedback on innovative teaching in the course survey
- Give the opportunity to fill out a **mid-term evaluation questionnaire**, identifying specific problems in such a way to solve them quickly (eg overcrowded classrooms, punctuality of teachers, incorrect use of the microphone, the effectiveness of exercises, etc.)

2. **Fieldwork (For a Politecnico more technical)**

- Since the approach to teaching is purely theoretical, it is proposed to create a **specific commission for each CCS**, starting from the three-year period, which organizes visits to **companies, fairs, construction sites** and accompanies students in a **more practical studying course**
- Promote the use of **laboratories** in a more in-depth and continuous way, in particular, reintroduce those already existing previously

3. **Peer education**
- Strengthen mentoring among peers, giving the possibility to third-year students to give lectures to first and second-year students
- Select some students to give support to teaching (during exercises or through seminars made in agreement with the teacher)
- Select some students to create a service of **'' private repetitions ''** among the Politecnico students

4. **Distribution of Exams**
- Give the opportunity to take the total exam in conjunction with the second partial test for those who have not taken or failed the first test

- Introduce the possibility of sustaining the **complete exam** during the first partial tests for those who have already attended the course in previous years
- Distribute exam appeals, based on CFU and number of students enrolled in the course, so as to make the session more **unified and consistent**
- Increase the minimum number of days between one exam and another, also taking into account the presence or absence of mandatory oral examinations

5. **"Computer" courses**
- Enter **practical** courses, both frontal and online, for **learning the main IT tools used in the lessons** (Autocad, Matlab, SAP, modeling programs, Excel ...) finalizing the course to an **effective knowledge** of the program

PROJECTS AND OPPORTUNITY

6. **Shared projects between schools**
- Opportunity to have **shared Thesis** between several courses
- Encourage collaboration between students from different schools through the organization of **shared projects** guided and coordinated by teachers
- Development and promotion of "**Polifactory**" for **educational and personal purposes**
- Creation of an online **skill-sharing platform** that brings students from different courses together to encourage **multidisciplinary collaboration**. The same platform can be used as an **online portfolio** that can be consulted by interested companies

7. **Calls and funding**
- Establishment of a university competition to finance the deserving and doable projects of students for technical, scientific and artistic purposes
- Encourage financial support from companies for projects designed by students

STUDENTS

8. **Mobility**
- Development of a specific survey on Erasmus Mobility and Double Degree Projects
- Implementing of the **project Free Mover**, already present in most Italian and foreign

9. **Representation**
- Questionnaires with closed answers on official channels, drawn up by the lists to grasp which issues are perceived as priorities by the students
- Improve the communication potential of PoliTamTam
- Emphasize the importance of **international students representation**
- creation of a blog for the Politecnico students within the Beep portal

10. **Polimi App**
- Insert a **news** section in which both Politecnico and the students' representatives and associations have the possibility to publish the latest news about the University

- Insert a **representation** section containing the contacts of all the representatives in office and a brief description of the bodies
- Integrate the "**Servizi online**" into the app, a "**deadlines**" section with **notifications** and the management of all **library services**

11. Polimi facilities
- Office/page dedicated to **medical services** and **rentals** for international and off-site students
- Dialogue between the Politecnico and **institutions/companies** for student facilities, also in the territorial poles
- **Agreements and memoranda of understanding with public transport companies** in order to offer a service at reduced costs for all students
- **Inclusion and mediation projects** for international students in the university and residencies
- Insertion of a **reflection room** for non-Catholic students in Durando and in the territorial poles
- Vending machines for unconventional items (paper tissues, stationery, condoms, etc.)
- **Sanitary pad dispensers in girls' bathrooms**
- Improve the **orientation to the Master's Degree**; in particular, organize a day of suspension of the lessons and presentation of the various courses
- increase the opening hours of the international student offices during the welcome week

12. Admission test
- Through a collaboration with CNSU, the modalities of the admission tests will be henceforth determined, (making it on a national level in March) limiting the vacancies at the beginning of the year due to the transfer to Med School.

13. Lack of study halls and rooms
- Introduction of a 24h study room in Durando
- Enforcing all libraries in Bovisa to be open from 8.00 to 24.00
- Opening of the library in Bovisa during the weekends
- Ensuring the longest opening hours in territorial campus, especially during examining sessions
- Increasing the number of plugs, even in the exterior, to facilitate studying
- An overall increase of studying-dedicated areas

14. Psychological Assistance

- Addition of capability of booking psychological assistance on the website
- Improvement of the overall psychological assistance

TAXES AND RIGHT TO STUDY (DSU)

15. Discounted accommodation for the right of study DSU
- Re-evaluation of the assigning time required to evaluate one's right for discounted accommodation

16. ISEE and university taxes
- Optional rescheduling of the second installment
- Calculate taxes with a proportional method instead of with bands

17. **Air conditioners**
- Place thermostats, with automatic adjustment according to the parameters set by the University, in every classroom.

18. **Polimi plastic-free (inspired by Green Office Movement)**
- **Location of natural and sparkling water dispense**rs in every building
- **Free distributions of water bottles** for every student at the beginning of his career
- Enter into agreements with **sponsor companies** for the distribution of reusable products (bottles, menstrual cups, Tupperware) at affordable prices in vending machines.
- Vending machines for hot drinks that use biodegradable glasses and pallets.
- Try to **abolish** the distributors of plastic bottles.
- Add **trash baskets** for glass and damp.

19. **Sustainable mobility**
- More bike racks inside the Poli.
- Creations of bike paths that serve the Poli.
- Activation of student fares by Trenord.
- A cycle-pedestrian path that connects the railway station of Bovisa with the campus 'Durando'.
- Add of balustrade with tools for maintenance of bikes.

20. Establish an **official orchestra and band** of Polimi that can attend every event of the university

21. **Prizes and scholarships** for all students who respect merit requirements although they attend the **Conservatory of Music** at the same time or for students who have artistic recognition at a national or international level

22. Creation of a **Musical and Theatre course**

23. **Promotion of university sports activities**
- Creation of indoor gyms and fitness places owned by Poli
- Agreements with the Romani swimming pool of Via Ampere
- Increase the sports offer with activities such as skiing, fencing, Crossfit, tennis, sailing, gymnastics, cycling, ice skating, rugby and others.
- Introduction of sports lockers and locker rooms.

24. **Creation of a sports park La Masa/Durando like the one we have in Leonardo 'Giuriati'**

25. Introduction of the activities related to the associations in the **Diploma Supplement**

26. Implementation of notice boards for associations and digital totems placed in places of passage and refreshment

27. Creation of physical spaces for student associations

28. Creation of an institutional email of student associations

29. Creation of a fund for student associations as support for associative activities

TERRITORIAL POLES

- Election of representatives of the territorial poles each year instead of every two years

    CREMONA
- Solve the issue of bar-cafeteria service in the territorial poles of Cremona and Piacenza.
- Promotion of extra courses and lectures also in the territorial poles encouraging participation with the reimbursement of a possible ticket of the means for moving students.
- Promote student associations in the Poles.
- Institutionalize a formal representation table composed by representatives of territorial poles, the president of the student council and a delegation and representatives of central bodies.
- Allow more decision-making and spending autonomy at territorial poles.

LECCO
- Addition within the territorial pole of services already available in Milan poles, such as the self-service distributor of Trenitalia and Amazon Locker cabinets for the withdrawal of Amazon's orders.
- The request for a railway stop near the market area where there was the Lecco railway station.
- The search of a organizational solution for the former Copy classroom that can meet the needs both educational and recreational of the students.
- Installation of free drinking water dispensers usable by students and professors allowing not only a saving of money, but also a lower waste production always in the perspective of a sustainable campus, the addition of baskets for the damp, at least In the public halls between the classrooms, which would allow a more correct execution of the recycling already in place.
- Arrangement of the green areas of the Polytechnic, thanks to the addition of urban furnishings and a new canopy, also of self-construction, that makes possible the creation of a wider space for open-air study.
- Best exploitation of the area behind the pole, where the large paved space could be reorganized with a gazebo and sheds suitable to accommodate students in warmer months, but also sports equipment.
- Addition of useful services to the daily life of the Polytechnic, as additional microwaves to reduce the row in lunch-break, request of an underground and parking for students of Polo or facilitation with parking nearby.
- Involvement of international students through the promotion of English-language events open to the entire area of Lecco such as the free and monthly screening of films, the organization of conferences and initiatives proposed by students both   and foreigners accessible to all and organized within the headquarters of the Politecnico in Lecco, also through a close relationship of collaboration with the association PoliGSA
- Organization of visits and short trips on the territory of Lecco and Milan with starting point our campus, as already happens in Milan offices with Polimibus, which allows the visit of places not always accessible to the public and of engineering, architectural and historical interest, promotion of sporting events in the territory of Lecco and province, exploiting the presence of the lake and of the large open spaces of interest Naturalistic that surround the campus and that make possible climbing, sailing, wakeboarding and beach volley.

PIACENZA
- Inserting a plotter printer for sheets A1.
- Increase in the facilities already present for the prints.
- Increase in the number of bike racks.
- Improved regulation of thermostats to optimize heat dispersion.
- Resolution of the issue of TV in classroom C.
- Agreements with the bar for food stamps.
- Ensure constant assistance for all microwaves.
- Making the representation efficient by providing daily contacts.

3i school Programme

Teaching

- Better organization of the distribution and number of exercises.
- Reforming the tutorship on the following points: distributing it in a timely manner during the lesson period, increasing the number of hours devoted to the most demanding subjects, inserting an evaluation tool to verify its effectiveness.

- Increasing students' participation with a model of exercises and tutoring devoted entirely to the students' questions.
- Provide a mid-term form regarding courses, professors and teaching assistants to highlight and solve possible issues during the courses.
- Increase lab-time hours.
- Introduction of interdisciplinary and multidisciplinary projects between different study courses of 3I school in order to favor team-working and collaboration. (eg. Hackathon).
- Promote realization of interdisciplinary theses
- Suggest the creation of a single book for each subject written by the concerning department with the collaboration of professors, students, and Ph.D. students, designed for the course and for the exam.
- Make past exams with solutions available to students on each course's Beep page promoting the use of this platform by students and professors.
- Improve the use of Beep by professors encouraging the knowledge of its tools.
- Allow students to access the Beep page of all courses without requesting registration.
- Promote the use of software that allows every student to see what the professor is writing on their devices so that it is possible to follow courses from home.
- Start an optional course on study method for freshmen.
- Improve the tutelage for students in courses with high percentages of failure.
- Promote group-study rather than competition.
- Lower the amount of preliminary knowledge that professors take for granted.
- Encourage professors and assistants to upload teaching materials on Beep before the lessons so that students can be prepared about the topic of the lesson.
- Increase the use of flipped classroom and digital learning.
- Inform every student about the minimum requirements to have access to the master.
- Sensitize students about the existence and importance of Diploma Supplement from the beginning of their studies.
- Promoting the ''Passion in Action'' project among students.
- Make the website of the different course of study similar to each other
- Create a database on which every professor can upload their available theses.

Calendar and timetable

- **Plan exams in a better way**, increasing communication between professors

- Verify the possibility of introducing more lesson suspension days before exams

- Pay more attention to the arrangement of timetable and exams for double-degree courses

Erasmus and International mobility

- **Rethink the structure of the Erasmus project**. In particular:
1. Increase the number of places available and the agreements
2. Provide more information to students
3. Improve the timing of calls
4. Increase the number of conventions stipulated with high-ranked universities
5. Inform students on the Erasmus Plus project
6. Extend conventions that already exist for some Study Courses to the others (where possible)
7. Update the archive of the exams validated for the International Mobility Projects.

- Promote the creation of a figure responsible for tutoring and counseling for students interested in participating in an Erasmus programme, even as far as it concerns the support for the application form compilation
- **Extend the contact list of students** that have already had any international mobility experience in the same university
- **Promote the Buddy System project**, which consists in pairing a Politecnico student with an international one in his/her first month in Politecnico. Buddy System website

EXAM PROCEDURE

- Introduce the **same exam procedures** and the comparison of marks of the results of each group in the same study course
- Increase the comparison between the results of the exams from different groups of the same study course
- **Introduce computer-based exams** for subjects such as informatics, using laboratories

LABORATORIES, INTERNSHIPS AND COMPANY VISITS

- **Increase the number of laboratories** hours in all his modalities (informatics, experimental, project)
- Increase the control of the School in the attendance of laboratories, as to avoid any situation of overcrowding and impossibility of following lessons
- Invest more in the **laboratory room equipment**
- Promote and encourage the organization and the founding of **companies and industrial visits**
- **Supervise** in a more efficient way internships, for Bachelor and Master Degree, establishing in a clear way requisite, contact person, someone who will be responsible for the agreement between Politecnico and the company and a procedure to activate the internship.

PROPOSALS FOR PROGRAM BOARDS (CCS)

❏ **AEROSPACE**
Mandatory enrollment in Computer Science course for first-year students, emulating the already present program of Mechanical and Energy Engineering

Equilibration of credits throughout the first three years of studies

Incrementing the number of courses dealing with the program topics

Implementation of seminars and visits dealing with the topics, increasing those that already exist (i.e. visits in the Military Base of Ghedi)

❏ **AUTOMATION**
Promoting the teaching of Matlab, with the eventual scope of integrating it to the computer science course

❏ **MATERIAL SCIENCE AND NANOTECHNOLOGY**

Addition of tutored course on Physical Chemistry

Revision of theoretical documents for courses "Introduction to Nanotechnologies", "Physical Chemistry", and "Polymers".

❑ **MANAGEMENT**
Survey for first-year students to get feedback on the new reforms installed in the management course-track

CHIMICA

Possible insertion of a Computer Science course in the first year of studies, perhaps as an elective one

Increasing the number of technical visits organized by professors, be in other different departments and extra-university laboratories as well

Organization of more visits to the Department of Chemistry

Promotion of seminars and elective courses on environmentally friendly in the industrial sector

Introduction of midterms in the second year

❑ **MECHANICS**
Simplification of the process used to access Master Degrees in Mechanical Engineering if the student comes from professional tracks or other universities, by:

- Grouping of courses in one single semester
- Introduction of MOOCs since the mark obtained from integrative exams is not influent

❑ **BIOMEDICS**

Revision of Study Plan
Fixing exam distribution

Redesign of Program Boards website

PROGRAM OF THE SCHOOL OF DESIGN

- **Internationalization** of Bachelor Degree: addition for each course of at least one English exam

    (*If Politecnico wants to be a real international competitor, it can't be stopped by language barriers. In today's world, a student, and in particular a designer, needs a perfect knowledge of the English language, in particular as far as it concerns the specific terminology of his/her area of study*)

- Introduction of **courses/multidisciplinary projects** that will involve students from different study courses and from different Schools.
- **Design thinking**: introduction, for the second semester of the first year, of a teaching course that will explain the method used by a designer to find an idea.
- **Courses for the invention of a "portfolio"**
- (*For each student it is fundamental to create a personal portfolio, that will ensure the possibility to communicate his/her own skills to future Institutes or companies*)
- Introduction of a **"scientific" evaluation sheet**, to help teachers to mark a project using objective criteria. It will be useful for students to understand their strong points and weaknesses.

ERASMUS AND EXTRA-UNIVERSITY EDUCATION

- **Making the procedure to apply to Erasmus more objective**
    - we propose to eliminate the application letter and to make evaluation criteria more objective in order to avoid any favoritism (voluntary or involuntary)
    - Change the ranking system, increasing the weight of the first choice in relation to the lower ones (for example with a detraction of a 5% for each position)

- **Design and Fashion week**
    - Increase the attendance of Politecnico during the Design week with workshops or internships with companies
    - Suspend lessons during the week
    - Suspend exams o instructions after the design week
    - Obtain tickets to skip the queue for high-marked students during the week

ORGANIZATION

- Working to solve problematics related to the **transfer from one study course to another** (ex: timetable overlapping)
- **Reduce the costs** of projects with conventions for printing, material purchase and, looking to the future, for any new technology

    (*It has been evaluated that there is an average cost of 300 euros per month to buy materials and to print, producing a huge amount of waste. It's time to update!*)

- Create a network where people could sell materials or discuss prices and conventions with shops
- Introduction of safe spaces to **deposit models and materials**
- **School evaluation**
    - Making teachers evaluation sheets better and introduce evaluation sheets for lab technicians

PROGRAM FOR THE SCHOOL OF AUIC

- **Reduction of the cost for the projects**

The students of AUIC spend an average of 300 euro per semester for materials and printings. To reduce the expenses:

- Use of less costly resources for the projects of practical lessons
- Agreements with printing houses and local stores that sell materials
- Reimbursement of the expenses for students of excellence
- Creation of an online network where students can compare/discuss the price/quality of the printing houses and the stores that sell materials

- **BIM: Courses on the software and the application of the BIM methodology**

Starting from this year and by the end of 2025, ALL the models must be made according to the BIM methodology.

Nederland has 51% of the designers that already use BIM, followed by the United Kingdom (33%). Italy is in the last positions with only 10% of designers.

The objectives in anticipating the time (and conform to the top European and world countries) to train future architects and engineers and implement courses and MOOC on software that exploit BIM, 3D and rendering.

- **Support for the creation of the Portfolio**

Students that work in the field that request personal talents need a portfolio with which they can transmit these skills to the design companies, entrepreneurs, etc. With appropriate training courses, it would be possible to improve their effectiveness in a functional manner. Furthermore, we want to import an active approach, with a gradual integration to the working field.

- **Accessibility for the ARCHWEEK and events/exhibitions**

Students need to receive information regarding various exhibitions. It aims at:

- Digitally inform the students for the events and exhibitions

- Cancel the lectures during ARCHWEEK, and avoid setting up exams or midterms immediately after it.

- **Design thinking and a course to improve the models**

Introduction of MOOC courses that illustrate the process through which an idea can be reached, in addition to a course to improve the models.

- **Spaces dedicated to model storage and locker service improvement**

Locker reservation deadlines are often not met and due to the lack of free spaces, the projects and models are placed on top of the lockers. However, sometimes these models happen to be stolen or damaged. Thus, our aim is to create a dedicated space, bookable, in which you can store the projects and models, and also to improve the existing lockers service.

ERASMUS AND INTERNATIONALIZATION

- **INTERNATIONALIZATION**

The future graduates will have to interface with an international working environment. Building relationships, knowing the reality outside of the Italian context is fundamental for our future.

The objectives are:

- Increase the accessibility for the international exchanges (semester/annual, workshop and internships abroad)
- Increase the visibility at the content level for emerging and already consolidated nations (China and Japan in particular) to broaden the student's mindset
- Introduce at least a course per academic year in these languages

- **Make the evaluation to compete for Erasmus more objective**

To put an end to favoritism (voluntary or involuntary) we want to remove the letter of motivation and make the evaluation criteria of the portfolio more objective. We also want the ranking evaluation to have more weight in the first choice, compared to the lower ones in the ranking (For example, a -5% for each position)

PROGRAM FOR THE SCHOOL OF ICAT

TEACHING

- Introduce **laboratories and/or practical activities** in the bachelor degree courses in order to give practical feedback for the theory (i. e. For the courses of Chemistry, Physics *I and II*, *Building materials, Durability of materials and technologies for restoration*)
- Initiate negotiations with the teachers for the creation of **practical summer schools**, inspired by the already present and well-established model of the Topography Summer School
- **Commitment for the improvement of teaching materials** giving   to some master's courses, constant monitoring of the superposition between courses and evaluation of the possibility for the introduction of more specializing courses (ex. Timber structures)

WORKING FIELD

- Organizing of a series of **meeting with professionals** in order to create a better idea of what the working or researching field can be, with "face to face" talks to make individual questions
- **Visits of practical applications**, for example, visits to construction sites or companies
- Establishment of a fixed **committee** composed from the students, to create teams to participate in **hackathons and workshops** abroad

ORIENTATION

- **Admission orientation**: make the orientation process of the freshmen more dynamic by improving the so-called "Freshman Day"
- **Improve the orientation for the Master's**, both for local and international students, by introducing an orientation made "from the students for the future students". In addition to the open day, introduce interviews with students who are attending master's courses, to have a direct and informal discussion, and improve the guidance provided by the professors. This can be done in two different ways:
  o One or more presentations held by the various responsible professors
  o An informal meeting in the form of a banquet (one for the masters) held by students of the different master degrees.

RESIDENCES

❏ At the same price, guaranty the same services for all the residences.
❏ Set standards of cleaning, conditions, and services, and ensure that they are respected
❏ Standardize laundry prices
❏ Re-introduce, where they are not available anymore, the guesthouse services

PARETO RESIDENCE

- Installation of a printer with cards
- Installation of a basketball hoop in the courtyard
- Monthly cleaning on a regular basis
- Storage rooms for the month of August
- Increase the number of refrigerators
- Improve the reliability of the elevators
- Solve the overload problem when dryers are used together
- Excessive heating in winter
- Purchase of more drying racks

NEWTON RESIDENCE

- Introduction of benches and weights in the gym
- Maintenance of the steps of the stairs
- Avoid coinciding of cleaning services with dining time
- Increase the number of study tables on the first floor
- Substitution of the electric cookers with induction cookers
- Increase in the number of ovens and microwaves

EINSTEIN RESIDENCE

- Solve the problem of the entrance in the room with the badge
- Insert instruments in the music room
- Reorganize common spaces and study tables
- Install televisions in the places where they are missing

GALILEO RESIDENCE

- Substitution of the electric cookers with induction cookers
- Introduce additional wardrobes for the students
- Increase in the number of ovens and microwaves
- Improvement of common spaces
- Establishment of space in the laundry for hanging the clothes

- Improvement of the cleaning service of the structure

- Improvement of the air-conditioning system

- Adjust prices and services

- Enhance the sports facilities of the residence

- Overcome the inefficiencies of the elevators

- Complete Wi-Fi network installation