**BRACU Teaching Programs in Ergonomics (BUTPIE)**

* *The most effective and efficient route to education and training is through material targeted for the particular needs of the audience, designed at an appropriate technical level and delivered using participatory processes.*
* It is proposed that the following material be developed:
  + 1-3 hour – **awareness** classes directed at industrial sector management
  + 1-3 day– **introductory** classes for industrial sector representatives
  + 1-3 week – **certificate** course for practitioners
  + 1-3 month – **diploma** course for advanced practitioners
  + Leading to undergraduate specializations and graduate degrees and diplomas
* Available Short Courses
  + Introduction to Ergonomics
  + Human Systems Integration
  + Ergonomics Task Analysis Tools
  + Ergonomics Case Studies
  + Socio Technical Systems
  + Anthropometry and Workspace design
  + Manual Materials Handling
  + Cognitive Task Analysis
  + Shift Work
  + Work Physiology and Energy Standards
  + Ergonomics in High Volume Manufacturing
  + Production with Protection
  + Ergonomics for Executives
* Available Long Courses
  + Introduction to Ergonomics
  + Occupational Biomechanics
  + Safety, Risk and Resilience Engineering
  + Socio Technical System Design
* Pedagogy
  + Group Based Learning
    - Establish groups of between 3 and 6 at the beginning of the course
    - Embedded discussions within class, report back to class
    - Group based one page reports
      * Required Content
        + Title, Authors, Date, References
      * Body of report
        + Optional format