




Rapport 2008:I R

Utmärkelsen framstående
utbildningsmiljö 2007
*Centres of Excellent Quality
in Higher Education 2007*



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Utmärkelsen framstående utbildningsmiljö 2007
Centres of Excellent Quality in Higher Education 2007

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Innehåll

Sammanfattning	5
Beslut	7
Högskoleverkets reflektioner	9
BEDÖMARGRUPPENS RAPPORT	13
Missive	15
Centres of Excellent Quality in Higher Education 2007	15
Institutions Reviewed	19
Chalmers School of Entrepreneurship of Technology, Chalmers University	19
Control Systems at the Department of Electrical Engineering, Linköping University	20
The Medical Programme, Linköping University	21
The Dental Education, Malmö University	22
The Vehicle Engineering Programme at the Royal Institute of Technology	23
The Department of History, Stockholm University	24
Undergraduate Education, Department of Historical studies, Umeå University	25
Biology Education Centre, Uppsala University	26
The Department of Business Studies, Uppsala University	27
Applications Analyzed	29
The Speech and Language Pathology Programme, Göteborg University	29
The Educational Environment for Special Needs Education, Göteborg University	29
The Graduate School of Language Technology, Göteborg University	30
The Project Management Programme, Karlstad University	30
The Centre for Advanced Medical Simulation, Karolinska Institutet	30
The Clinical Education in the Nursing Programme, Kristianstad University	31
The Commercial and Business Law Programmes, Linköping University	31
The Strategic Management Programme, Lund University	31
The International Institute for Industrial Environmental Economics (IIIEE), Lund University	32
The Creative Writing Programme, Lund University	32
The School of Computer Science and Communication, The Royal Institute of Technology	33
The Department of Energy Technology, The Royal Institute of Technology	33
The Department of Scandinavian Languages, Stockholm University	33
The Department of Social Work, Stockholm University	34
Umeå School of Business, Umeå University	34
Umeå Institute of Design, Umeå University	35
The Clinical Training Centre, Uppsala University	35
Bilaga 1	37
Bilaga 2	39

Sammanfattning

I januari 2007 inbjöd Höskoleverket för första gången universitet och högskolor att ansöka om Utmärkelsen framstående utbildningsmiljöer. Utmärkelsen är en del av det nya nationella kvalitetssäkringssystemet.

Totalt inkom 26 ansökningar från 12 lärosäten. Efter en första prövning utsågs 9 ansökningar som gick vidare till en andra, mer ingående prövning med platsbesök. Granskningen av ansökningarna har gjorts av en internationell bedömaregrupp (international review panel) som till sin hjälp har haft utlåtanden från internationella ämnessakkunniga (field experts). Inom Höskoleverket har projektet samordnats av två medarbetare från utvärderingsavdelningen.

I enlighet med bedömaregruppens förslag beslutar Höskoleverket att följande fem utbildningsmiljöer, här nämnda i alfabetisk ordning, belönas med Utmärkelsen framstående utbildningsmiljö 2007:

- Kungl. Tekniska högskolan, *farkostteknikprogrammet*
- Linköpings universitet, *studierektorsområdet reglersystem*
- Linköpings universitet, *läkarutbildningen*
- Malmö högskola, *tandläkarutbildningen*
- Umeå universitet, *institutionen för historiska studier*

Dessa utbildningsmiljöer har på ett tydligt och övertygande sätt visat att de är framstående och håller mycket hög kvalitet.

Höskoleverkets kvalitetsaspekter har varit vägledande för att identifiera dessa framstående utbildningsmiljöer och kraven har varit högt ställda. Bedömaregruppen har utvecklat aspekterna ytterligare, något som kommer att underlätta arbetet vid både ansökning och bedömning i framtiden.

Höskoleverket avser att på olika sätt arbeta vidare med vad som är utmärkande för framstående utbildningsmiljöer och dessutom bidra till att goda exempel sprids.

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BESLUT

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Beslut om utmärkelse till framstående utbildningsmiljöer

Högskoleverket beslutar att tilldela följande utbildningsmiljöer Utmärkelsen framstående utbildningsmiljö 2007:

- Kungliga Tekniska högskolan i Stockholm, *farkostteknikprogrammet*
- Linköpings universitet, *studierektorsområdet reglersystem*
- Linköpings universitet, *läkarutbildningen*
- Malmö högskola, *tandläkarutbildningen*
- Umeå universitet, *institutionen för historiska studier*

Beslut i detta ärende har fattats av universitetskansler Anders Flodström efter föredragning av projektledare Magnus Johansson och utredare Charlotte Elam i närvaro av avdelningschef Clas-Uno Frykholm. Beslutet grundar sig på bedömargruppens rapport.

Anders Flodström

Magnus Johansson

Kopia
Utbildningsdepartementet
Rektorer
Kontaktpersoner

Högskoleverkets reflektioner

Intresset för utmärkelsen har varit större än väntat och sammanlagt inkom 26 ansökningar från 12 olika lärosäten. Ansökningarna har gällt program eller andra former av utbildningsmiljöer inom vitt skilda områden (bilaga 2).

Många ansökningar var väl skrivna och framstod som väl förankrade inom respektive lärosäte, men variationen var stor. Man hade valt att i olika grad strukturera ansökan utifrån de vägledande kvalitetsaspekter som Högskoleverket hade presenterat i inbjudan. En del ansökningar åtföljdes av programplaner, kursplaner och litteraturlistor. Ansökningarna var skrivna på engelska, med undantag av en som var på svenska.

Av ansökningarnas varierande omfång och innehåll att döma behöver instruktionerna förtydligas. Det är angeläget att det klart och tydligt framgår vilket program eller annan organisatorisk enhet som avses. För att den internationella bedömargruppen ska kunna tillgodogöra sig ansökningarna bör de följa en viss struktur och innehålla information om relevanta kvalitetsaspekter. Vidare bör man kunna ge tydliga exempel på framgång. I förvånansvärt många ansökningar fanns brister vad gäller förmågan att kunna beskriva och analysera sina styrkor och svagheter.

För att uppmuntra till att samtliga ansökningar är väl förankrade föreslår Högskoleverket att antalet ansökningar från respektive lärosäte begränsas. Varje ansökan bör dessutom åtföljas av en motivering från lärosätets ledning.

De ämnessakkunnigas utlåtanden var mycket positiva

För den första prövningen av ansökningarna engagerades 26 internationella ämnessakkunniga från 15 olika utbildningsområden. En del av dem hade tidigare samarbetat med Högskoleverket i nationella ämnes- och programutvärderingar. Andra engagerades efter rekommendation från tidigare bedömare eller från branschorganisationer. Intresset för att medverka som ämnessakkunnig var stort, och de flesta som tillfrågades tackade ja till förfrågan.

De ämnessakkunniga bedömde och kommenterade ansökningarna utifrån de åtta kvalitetsaspekter som Högskoleverket presenterat. Utöver det bedömdes sådant som de ansåg vara relevant för utbildningsområdet i fråga. De ombads även att kommentera eventuella brister i ansökan.

Överlag lämnade de ämnessakkunniga mycket positiva omdömen. I de fall information saknats i ansökningarna kommenteras det till viss del, men inte systematiskt. I de fall de ämnessakkunniga också haft viss kännedom om utbildningarna sedan tidigare har detta redovisats i kommentarerna.

Enligt bedömargruppen krävs att instruktionerna till de ämnessakkunniga tydliggörs och att kvalitetsaspekterna konkretiseras. Kommentarererna från de

ämnessakkunniga får då samma struktur och begränsas till omfånget. Högskoleverket instämmer i detta.

Nio ansökningar nominerades till en andra omgång

Parallellt med att de ämnessakkunniga arbetade med att bedöma ansökningar inom sina respektive ämnesområden rekryterades en internationell bedömargrupp med särskild erfarenhet av högre utbildning och framstående miljöer. En person i gruppen var svensktalande. Bedömarna gjorde sedan en övergripande analys av ansökningarna och de ämnessakkunnigas kommentarer. I detta arbete valde man att bortse från de bedömningar som de ämnessakkunniga gjort på grundval av information som inte fanns i ansökan eller inte hade begärts in av Högskoleverket.

Bedömargruppen sammanträdde för första gången i början av september 2007 och diskuterade kvalitetsaspekterna och vilka kriterier som borde gälla för framstående utbildningsmiljöer. En viktig utgångspunkt i deras arbete har varit att finna bevis för att framgång är uppnådd och att den bedöms vara varaktig. En diskussion om kriterierna finns i bedömargruppens missiv och aspekterna finns redovisade i bilaga 1.

Resultatet av gruppens övergripande analys var att nio ansökningar bedömdes innehålla relevant information och visa på framgång i olika avseenden. De ansökningar som inte gick vidare innehöll antingen inte tillräcklig information eller framstod inte som tillräckligt framstående. Även här bör nämnas att expertpanelens analys av ansökningarna hade underlättats av en mer strikt struktur.

Det är viktigt att framförhållningen vid planeringen av samarbete i en internationellt sammansatt bedömargrupp är god och ger utrymme att planera in gemensamma möten. Tidspressen till trots ska dock understrykas att Högskoleverket anser att gruppen har utfört arbetet på ett mycket förtjänstfullt sätt och dessutom kommit med viktiga synpunkter inför den kommande ansökningsomgången.

Platsbesöken viktiga för helhetsintrycket

De nio utbildningsmiljöer vars ansökningar gått vidare till en närmare prövning fick besök av bedömargruppen. Vid dessa platsbesök samtalade bedömargruppen med tre grupper, nämligen studenter, lärare och ledning. I den senare gruppen deltog i regel också lärosätets rektor. Samtalen med respektive grupp varade ungefär 50 minuter.

Platsbesöken var fokuserade på att ge ett helhetsintryck av dessa miljöer och upplägget fungerade väl. Vid tre tillfällen kunde två platsbesök utföras på en dag vilket minskade gruppens totala antal resdagar.

Planeringen av platsbesöken var avgörande. Den praktiska delen utfördes av projektgruppen som kontaktade och lämnade instruktioner till kontaktpersoner på lärosätena. Alla platsbesök utfördes på samma sätt och med lika lång tid till förfogande.

Det är att föredra att högst sex personer ingår i varje grupp och att bedömargruppen sitter i samma rum medan grupperna avlöser varandra med cirka tio minuters paus mellan varje samtalspass. Utöver dessa pauser behöver gruppen tid för enskilda överläggningar före och efter mötet. Det är viktigt att klargöra att det är expertpanelen som ställer frågor och att inga presentationer ska göras från lärosätets sida.

Den innehållsliga planeringen av platsbesöken, dvs. vilka frågeställningar som skulle belysas, utfördes dels enskilt av respektive sakkunnig, dels i ett möte inför varje platsbesök.

Resultatet – fem utbildningsmiljöer övertygar

De nio utbildningsmiljöer som besöktes bedömdes alla vara framstående i olika avseenden. De som nu belönats med utmärkelsen har kunnat övertyga, i sin ansökan och under platsbesök, om att de är framstående.

Av de ansökningar som gick vidare till en närmare prövning fanns flera utbildningsområden representerade men med viss slagsida mot naturvetenskap och teknik. Bland de fem som utsetts är två inom teknikområdet, två inom medicin/odontologi och en inom humaniora.

En indikation på att urvalskriterierna och tillämpningen av dem fungerar relativt väl är att det bland de nio som valdes ut till närmare prövning fanns två ansökningar inom ämnet historia och en inom ett mångvetenskapligt ämne som entreprenörskap.

Vägledande aspekter var en utmaning

Vid utlysningen av utmärkelsen valde Höskoleverket att endast presentera åtta vägledande kvalitetsaspekter. Det fanns tre anledningar till detta. För det första var avsikten att undvika att exkludera mindre traditionella eller mer innovativa utbildningsmiljöer genom att formulera detaljerade kriterier. För det andra förutsattes att framstående utbildningsmiljöer är väl medvetna om vilka aspekter och kriterier som är viktiga för att påvisa framgång. För det tredje var tanken att utmärkelsen inte skulle vara normerande på detaljnivå.

Som redan konstaterats ovan innebar de vägledande aspekterna en utmaning såväl för flera av dem som sökte utmärkelsen som för dem som bedömde ansökningarna. De som nu utses till framstående utbildningsmiljöer har, utöver kvalitetsaspekterna, också lyckats förmedla några utmärkande kvaliteter som bedömargruppen anser är gemensamma för dem.

Arbetsprocessen kan utvecklas

Denna första ansökningsomgång har varit mycket lärorik och erfarenheterna ger en god grund inför det fortsatta arbetet. Den internationella bedömargruppen har utifrån kvalitetsaspekterna ringat in vad som är utmärkande för framstående utbildningsmiljöer. Tillsammans med Höskoleverket har gruppen dessutom identifierat flera sätt som arbetsprocessen kan utvecklas på.

Inför den kommande ansökningsomgången kommer Högskoleverket bland annat att:

- Förtydliga instruktionerna för ansökan.
- Begränsa antalet ansökningar från respektive lärosäte.
- Tydliggöra instruktionerna till de ämnessakkunniga.

Som ett led i det fortsatta arbetet kommer Högskoleverket dessutom att utveckla former för att sprida goda exempel från framstående utbildningsmiljöer. Verket ser också fram emot synpunkter och förslag till förbättringar från de lärosäten som har deltagit i processen.

BEDÖMARGRUPPENS RAPPORT

Missive

Centres of Excellent Quality in Higher Education 2007

In total, 26 units submitted applications to the Swedish National Agency for Higher Education with the purpose of being recognised as centres of excellent quality in higher education. To the International Review Panel was conferred the task of assessing these applications.

The following experts were appointed by the Agency:

Marianne Stenius, Chair of the Panel, Professor and Rector of the Swedish School of Economics and Business Administration, Finland.

Barbara Kehm, Professor of Higher Education Research at Kassel University and Managing Director of the International Centre for Higher Education Research.

Guy Neave, Dr. Honorary Professor of Comparative Higher Education Policy Studies, Centre for Higher Education Policy Studies, Twente University, The Netherlands and Principal Researcher at the Centro de Investigação de Políticas do Ensino Superior, Portugal.

Paul Ramsden, Professor and Chief Executive of the Higher Education Academy (HEA), United Kingdom.

The Panel would wish to recommend to the University Chancellor that the following five units be honoured as Centres of Excellent Quality in Higher Education 2007:

- Control Systems at the Department of Electrical Engineering, Linköping University
- The Medical Programme, Linköping University
- The Dental Education, Malmö University
- The Vehicle Engineering Programme, The Royal Institute of Technology
- The Undergraduate Education at the Department of Historical Studies, Umeå University

Short statements, which comment on the applications, are set out below. First, however, the Panel would like to dwell briefly on the review process and on the notion of “excellence”.

Assessment was built around the following steps. All applications, as well as analyses of them by field experts, were presented to the International Review Panel. Nine applications were retained as possible candidates and site-visits were arranged. Evaluation was based on the university’s application. These showed great variety in both scope and content. Some did not meet the standards and were not considered for a second review. Others, often due to an absence of full information, were not possible to assess. In the main, site-visits

served to weigh up the evidence presented in the applications, rather than as a way of exploring omissions.

As the applications show - and it was demonstrated throughout the site-visits - devotion and commitment to teaching and learning within Sweden's institutions of higher education are strong indeed. The Panel remains suitably impressed by the large number of teaching units that command both a high international standard and a high academic output. In the course of the review process several meetings were held by the Panel to discuss the applications and how the criteria proposed for the appraisal should be operationalised. Excellence takes on different forms. Some units lean to the more traditional, others embrace the innovative. The Panel focused on those units that had reached a certain degree of maturity. The evidence they presented suggested that a level of excellence had been achieved and could, moreover, be sustained. The units proposed for recognition, share certain common features.

- They are true learning communities - students, faculty and management share a common culture for learning.
- Their approach to quality assurance and quality enhancement is systematic.
- Mechanisms identifying and diagnosing problems are well established. There are examples, both tangible and real, to show how such mechanisms and procedures lead on to continuous improvement.
- At all levels, the student voice is taken seriously.
- Between quality assurance operating on a university-wide level and its counterpart within the teaching unit, there is focus, clear alignment and concordance.
- The factors of their success have been defined and analyzed.
- They stand and serve as development templates for other departments or institutions, in Sweden or elsewhere.
- Clear vision and strategy to advance internal and external change are present and evident.
- There is consistency in the presentations made by students, teachers, administration and management.
- Teachers work in teams and systems for training new colleagues in the basic pedagogic techniques, their rationale and ethos of the unit, are established and active.
- Excellence in teaching is recognised by the leadership.
- The interplay between teaching and research generates new impulses both ways.

In varying degrees, these operational features are present in many of the applications. Yet, these five units stand out because they – in very different ways – have provided firm evidence of meeting these criteria.

The way selection was made poses important issues. No one is compelled to apply. Other programmes, departments or units, which may rightfully claim

a similar level of excellence, have opted not to take part this year. Some applicants submitted information insufficient to allow a thorough assessment to move further.

For all applications, the statements are set out below. They are summaries of the main points rather than detailed explanations of why a particular application should – or should not – be recognised as a Centre of Excellent Quality in Higher Education 2007.

On behalf of the International Review Panel,

Marianne Stenius
Chair of the Panel

Institutions Reviewed

Chalmers School of Entrepreneurship of Technology, Chalmers University

Chalmers School of Entrepreneurship offers a master level education for managers of high technology based firms.

The programme is promising and impressive. The educational principles are convincingly designed in accordance with the contents and the objectives of the programme. The teaching aims at excellence. The programme supports the students very well in developing their own projects which then can be turned into a start-up or a business. The programme also gives constant and substantial backing to students in their goal to become leaders and entrepreneurs, providing individual coaching when needed. Without a doubt, the programme is highly dynamic and also very much student driven. There are close and productive student-faculty relationships; students are engaged in the curriculum and feel part of a learning community. The faculty involved in this programme has in most aspects relevant knowledge, experience and capacity. Clearly, the programme demonstrates educational success. Its impact extends beyond Chalmers, and its examples have been emulated nationally as well as internationally.

The programme though unique is very small and costly. Its organisation does not show a coherent quality assurance system as much as an *ad hoc* structure dealing informally with quality issues. The programme has its own sophisticated quality assurance system in which faculty discusses problems and, very positively, regards students as partners in this discussion. There is evidence that this quality assurance system has led to improvements. However, the risk for quality assurance being too entrepreneurial seems to be high. Integrating this organisation into the quality assurance/enhancement system of Chalmers University is a challenge.

The faculty runs their own companies alongside of their involvement in the programme and it therefore has a strong foundation in practice. There seems to be a tension between academics and the entrepreneurial focus of the programme and an imbalance between the scientific level and the entrepreneurial spirit. This is the single largest future challenge and critical for such a small operation. In addition, the programme lacks teachers in some areas such as accounting and finance. The programme seems overly dependent on part-time faculty and there is not enough pedagogical capacity to assure sustainability. There is an uncertainty related to the sustainability of the programme in general. The impression remains that the programme's success is highly dependent on the current constellation of staff. Factors behind the success of the programme are not explicitly explained.

The application from Chalmers School of Entrepreneurship, site-visit included, has not been convincing in the evidence provided that the school is a centre of sustained excellence and quality in teaching and learning.

Control Systems at the Department of Electrical Engineering, Linköping University

Control Systems as a field of education and research belongs to the Department of Electrical Engineering, Linköping University. The field provides a mandatory course in Automatic Control to all MSc programmes and most of the BSc programmes in engineering. In addition, a wide range of elective courses at advanced level are offered.

Organisation, quality assurance and infrastructure are convincing. There is a sophisticated quality assurance system in place. An important dimension in this system is the involvement of several teachers in each course. Thus, the high level of quality is less dependent on single individuals. The quality assurance system is well developed: It is aligned to university processes, pedagogical discussion to resolve on how best to teach specific topics is customary, and students are involved in quality processes. There is also a strong connection between faculty and senior management on quality enhancement.

The faculty stands out as an example of the mutual reinforcement that comes of excellent teaching and excellent research. Altogether the staff members give the impression of having a clear and shared vision of what is important in engineering education. Much effort is devoted to keeping students motivated and providing a good learning experience. This includes a broad spectrum of pedagogical approaches – problem based learning, lab work and projects. Clearly, the teaching is research based and challenging for the students. The curriculum is best seen as a species of ‘focused training’, closely aligned and in continuous contact with leading industries, national and international, which provide the main basis for practice based training in the form of a five month team based project. Control Systems branches out from what appears to be a classical discipline-centred curriculum usually associated with engineering. This stands in marked contrast to the essential approach developed within the Control Systems programme which is both student-centred and grounded in problem based learning.

The Department is placed at the cutting edge in the field of Control Systems. It keeps up a close and sustained dialogue between staff and students. There is engagement of both in linking theory to practice as well as the continual and sustained quest to improve and to ‘fine tune’ both courses and content.

Project course work lies at the centre of the student experience and it is a close reflection of the conditions in which its graduates will work. Project work is group based and handles problems commissioned by outside enterprises. The five month project is not confined, however, simply to technical problem solv-

ing. It is also explicitly given over to developing the social, communications and negotiation capacities of its members.

As a mature and well established Department, Control Systems maintains tried, tested and active links with similar departments, both in Europe and North America. It is recognized as exemplary in both teaching and research within Sweden and abroad. The dialogue and effective take up of advice from external constituencies and industry is intense and acted upon.

The strength of Control Systems has grown up around a disciplinary driven concept of the engineer. But engineering, just as other fields in the Natural, Medical and Biological Sciences, is currently both subject to and the instrument of a highly dynamic fragmentation as subject areas and domains break out of their original setting to form new 'proto-disciplinary' combinations. The challenge is ever present to determine precisely which key skills are and types of knowledge the future will need and, no less central, what would be the optimal way for their transmission, acquisition and application.

The application from Control Systems at the Department of Electrical Engineering, including site-visit, has provided convincing evidence that the Department is a centre of quality, excellent in both teaching and learning.

The Medical Programme, Linköping University

The Medical Programme in the Faculty of Health Sciences at Linköping University started in 1986. Central for the programme profile are the inter-professional integration and the pedagogical model problem based learning.

That the Medical Programme is supported by a robust academic base was confirmed. Continuous quality assurance mechanisms are established and supported by student representation at all levels. It is also clear that the educational principles are closely in accordance with the contents and the objectives of the programme. In Sweden, the programme has pioneered the systematic application of problem based learning to the study of Medicine. Since the transition towards a student-centred curriculum began more than two decades ago, this model has had time to mature. No less interesting is the fact that the vision which inspired this pioneering engagement abides and is still perceived as viable and relevant. The essential validity of the reform has been further reinforced by the decision of the Faculty of Health Sciences to reassert the fundamental strategy in 2001 to prevent what was seen as a form of 'curricular drift' away from basic science.

The programme shows educational success and is well able to explain the factors behind its successful results. Alignment at all levels seems to be an important focus against which corrective measures are determined. Students are learning on the basis of problem based learning and early clinical practice supported by a good system of tutors and mentors. Cooperation with regional health council is both positive and close. There is a genuine partnership with students with respect to quality management and the use of evidence-based

educational practise. The programme, and in particular the innovatory known as “The Hospital Ward” has had an impact on similar programmes elsewhere in Europe and in Australia.

All levels, both staff and students are acutely aware of the challenge posed by increasing student numbers; clinics are becoming more crowded and more effort has to be invested in seeking further to find and train clinical mentors.

The application from The Medical Programme in the Faculty of Health Sciences at Linköping University, which included a site-visit, have been convincing in the evidence provided that the programme is a sustained centre of excellence and quality in teaching and learning.

The Dental Education, Malmö University

The School of Dentistry at Malmö University dates back to 1949. Its official title, the Centre for Oral Health Science, denotes an integrative approach to both dental education and research. The teaching approach of the school is problem based learning.

The organisation is impressive. A well-functioning quality assurance system is in place, backed by a very solid infrastructure. The system is grounded in the concept of collective cooperation and the sharing of knowledge. For example courses are not the possession of individual teachers but part of the collective responsibility of the teaching community. In some courses, external examiners accredit the students.

Teachers have permanent commitment to researching learning theory as it applies to Odontology over and above the usual commitment to academic research. Most certainly, the programme is supported by a robust academic foundation.

Its educational principles are clearly designed in accordance with the contents and the objectives of the programme which stands as the first in Sweden systematically to base education in Odontology on the principles and methods of problem based learning. This has radically restructured curriculum, quality assessment, the nature of the relationship between staff and students and last, but not least, the basic vision that underlines Odontology.

The report by teaching staff is convincing in the coherence and clarity which emerge from a conception both lucid and shared about what learning is. Theirs is a continual engagement to advance this concept further. They are well aware of their strengths and weaknesses. They work progressively to eradicate such weaknesses. In partnership with students, they see themselves as a team and provide support in every possible way. In the area of patient care, students are treated as colleagues by teaching staff. Since problem based learning depends on student self-learning, the librarian is included on the team.

Relationships are close between teachers and students and amongst the students themselves. A “skills laboratory”, has been set up to allow the experience

of older students to be handed on to their younger fellows. The presence of a collective identity, a high degree of trust in students and team work rather than competition, all permeate this programme.

Internationalisation to a certain degree can be observed. Some teachers have worked abroad. There are some foreign students. Furthermore, the community the programme serves in the Malmö region is itself highly international. This too is important and noteworthy.

Leadership confirmed that the faculty sets an example for other parts of the university. In particular, each application for recognition of distinctive achievement and each evaluation this involves serve as occasions to reflect and improve. Research is applied and in keeping with other Departments in the field. The transfer of theoretical knowledge into actual health care is the constant goal.

The school serves as model of excellence in teaching for other dental schools nationally and internationally.

The application from The School of Dentistry at Malmö University, including site-visit, has provided evidence of a convincing nature that the school is a centre of sustained excellence in the quality of its teaching and learning.

The Vehicle Engineering Programme at the Royal Institute of Technology

The School of Engineering Sciences is responsible for the Vehicle Engineering programme which is a five years programme leading to a Master of Science in engineering.

The organisation, its quality assurance system and infrastructure give a very good impression. Its educational principles are designed in accordance with the contents and the objectives of the programme. The application describes the systematic way in which the curriculum is developed and improved and staff being trained. Explicit integration of didactic concepts, e.g. the understanding of the flow of learning has been explicitly used to solve problems in knowledge transfer.

There is a high level of coherence between courses and their contribution to each of the objectives.

Its very significant research and development, long upheld and prominent in the field of Vehicle Engineering, guarantee that the educational programme is underpinned by a robust academic foundation and that teachers have relevant knowledge, experience and talent. Academic staff are committed to the programme's continuous improvement. They are easily accessible to students.

The project work – an important part of the programme – is impressive. So is the good inter-communication between students of different levels. How the programme nurtures cooperation with students from arts and design for vehicle construction inspires admiration.

Among teachers reciprocal support and encouragement as well as the drive to achieve excellence in teaching all make for a good *esprit de corps*. In addition, the alumni network is both substantial and active.

Yet, if teaching aims at excellence, no provision appears to be made officially to recognize it. Furthermore for a programme that pioneered the field of Vehicle Engineering, its international commitment does not appear to engage students, though staff are naturally active in the classic form of representation, namely the presentation of the programme's work at international conferences. Even so, the major challenge to the long term excellence this department has achieved lies in the foreseeable future when staff renewal may well demand further reflection as to how it is to sustain a well-deserved international standing.

The application from The School of Engineering Sciences, The Vehicle Engineering programme at The Royal Institute of Technology in Stockholm, including site-visit, has been convincing in providing evidence that the school is a centre of sustained excellence and quality in teaching and learning.

The Department of History, Stockholm University

The Department of History at Stockholm University consists of three divisions: History, the Study Programme in the Humanities and the Centre for the Studies of Children's Culture. The Department offers undergraduate-, graduate and doctoral courses.

The organisation, its quality assurance system and infrastructure function very well. Its educational programmes are supported by a robust academic foundation. The Department enjoys a well- functioning and open atmosphere. Students can pursue their own topics and perspectives and, because it is a large Department, many options are open to them.

Teachers are accessible and tutorship good. At every level, students are involved in quality management teachers give the impression of seeking continually for ways to improve current provision. Teachers seem to benefit from a collegial atmosphere and a good working climate, both of which allow them to develop an informal basis for discussing pedagogical concerns. Departmental structures appear to be stable. Student bodies are active. Clearly, teaching is research based and emphasizes critical thinking. Teachers command impressive knowledge, experience and capacity.

Evidently, the Department of History at Stockholm University gives a very good impression on many aspects, even excellent in parts. But in others the impression is less substantial.

The Department consists of three heterogeneous strands, two of which are clearly vocationally oriented. Basically, the mix of academic and vocational training seems to work but the (academic) history strand clearly dominates.

The international dimension is not to the fore and innovative modes of teaching and learning seem to be more experimental as opposed well devel-

oped and firmly embedded. The absence of a clearly articulated strategy and vision for the future is to be regretted.

Evidence as to how teaching encourages excellence or whether students attain exceptional results could be more comprehensive. Systematic follow-up of alumni to find out what they are doing a few years after graduation has yet to be explored.

Nor are the factors that might explain success, explained. Academic staff appeared to labour over defining the Department's strategy on the one hand and to clearly account for and identify the factors held to make for success, on the other.

The application from The Department of History at Stockholm University, site-visit included, has not been convincing in the evidence provided that the school is a centre of sustained excellence and quality in teaching and learning.

Undergraduate Education, Department of Historical studies, Umeå University

The Department of Historical studies comprises of two subjects offering both undergraduate and doctoral courses, History and History of Science and Ideas. The application concerns the undergraduate courses at the Department.

The organisation is impressive. It has an established well functioning quality assurance system and a very good support system. There is a high degree of staff stability and newly recruited teaching staff is actively integrated into the culture of the Department. Leadership communicates strategic thinking which seems open to bottom-up proposals.

Teachers have relevant knowledge, experience and capacity; they are at hand on a daily basis. The dedication and commitment, personal inspiration and a ready and always open access of staff to the students is confirmed.

The educational program is supported by a robust academic foundation. Teaching and research are in close complementarity. Furthermore it is evident that teaching and teaching skills are given very high priority. Teaching staff are highly alert and sensitive to pedagogical issues. They tailor their support to the needs of different groups of students. Team work among teachers plays an important part.

Educational principles are laid down in accordance with the programme's contents and objectives. Communication between staff, administration and students, the perception of students as part of a shared learning community, engaged in acquiring the skills both of the historian, the professional researcher and teacher, are noteworthy indeed.

Close ties between teaching and research have served to provide students with an unusual and socially sensitive definition of their own individual and by extension, professional identity. The historian as a teacher is held in crea-

tive tension with the (future) school teacher as researcher. Teaching aims at excellence, the standards and efforts are high.

This characteristic is also present and accounts for a high level of focused contact and cooperation with external stakeholders in the region.

The Department's work has its impact both on the rest of the University and outside. It is recognized by University leadership that key practices involved in teaching, student relationships and research have been tried, tested and have succeeded in this department. Their extension to other faculties forms part of current leadership strategy for the university as a whole. The Department's role as example thus fulfils the criterion of excellence *qua* recognition by peers and leadership, largely influenced, one feels, by the sustained and continuing efforts of its staff organically and incrementally to adapt to the changing nature and needs, of its constituents internal and external.

Whilst some indication of research actively pursued, it is small scale and tends to be targeted on pedagogical issues. Internationalisation does not stand out as an important part of the Department's work.

The application from The Department of Historical studies at Umeå University, including site-visit, has been convincing in providing evidence that the school is a centre of sustained excellence and quality in teaching and learning.

Biology Education Centre, Uppsala University

The Biology Education Centre is the central administrative organisation for all undergraduate and master level education within biology, biotechnology and bioinformatics at Uppsala University.

The organisation, its quality assurance system and infrastructure function well. The Biology Education Centre is an administrative body of a highly innovative nature. Two strategic aims are served by this body: To maintain long standing excellence in international and national research, in the general standing and international attractiveness of the University and the Faculty of Sciences and Technology in particular, second strategic to extend standing acquired in the research domain to undergraduate study.

The quality assurance scheme is multi level, comprehensive and draws upon outside interests. External community links and close ties with industry are key to the quality assurance system, to ensure similar levels of excellence are achieved across different undergraduate programmes. Ideas or best practice proven in one programme are taken over by another. This internal self examination is key to the Centre's capacity to meet new demands rapidly and effectively. The "In Blanco" system of keeping open time slots for unplanned yet relevant demands generated by students or by new developments in the field itself, ensures both a sustained and operational 'student centredness' plus the possibility to test particular facets of a course or programme into the main curriculum.

Excellence in communication, the DiAna programme, adds significantly to 'professional socialization'. That this programme has improved student self-esteem, is currently regarded by university leadership as applicable across the university, points to its recognised standing.

The educational principles accord with the programme's contents and objectives. The programme includes a number of innovative approaches which help students to react fast to changing developments in the subject. In addition, the Centre is rather international and students are also familiarised at a very early stage in the programme with field work. Undergraduate education is research based and teaching staff are engaged in research. Teaching clearly aims at excellence.

How students attain exceptional results, is not clear. Neither application nor site-visit furnished convincing evidence about educational success. The Centre and its leadership are characterised by many informal and ad hoc structures. Still, crucial aspects – organisation and quality assurance mechanisms – remained unclear. Finally, the application's vision was couched largely in the conditional. This grammatical structure leaves the impression that the Centre's vision deals with plans yet to come than being firmly grounded in established practice.

The application from The Biology Education Centre at Uppsala University, including site-visit, has not provided convincing evidence that the school is a centre of sustained excellence and quality in teaching and learning.

The Department of Business Studies, Uppsala University

The Department of Business Studies at Uppsala University was founded in 1958. It offers studies in business, economics and entrepreneurship in programmes as well as single subject courses at undergraduate-, graduate- and doctoral level.

Strong emphasis on research and a strategic vision about the direction the Department will develop are evident. The Department places weight on programmes with a strong grounding in research and which, at the same time, opens the door for the individual to choose between a range of specialised options. A good quality management system is in place. The administrative and management structure seems strong. Students are involved in the development of the programme. They find their learning environment modern, flexible and as providing a good level of preparation for working life. Teaching staff emphasise the programme's interdisciplinarity and that teaching is research-led. They appreciate the flat hierarchy that is a characteristic of the Department. They are alert to issues that quality engages.

Though staff numbers do not appear up to strength, nevertheless, teachers command appropriate knowledge and experience. Yet, some doubt may be expressed as to whether the Department's educational principles are effectively

designed in accordance with the programme's contents and the objectives. Despite the emphasis on research and on preparing students for problem-solving and practical issues, the programme does not include internships though alternative arrangements for cooperation with industry are available. There is also no clear strategy for sending students abroad although internationalisation clearly is an important part of the vision of the programme.

That teaching aims at achieving excellence does not convince, not least because training in the managerial skills appears relatively weak. No convincing evidence of students attaining exceptional results was given. Though many scenarios for the Department's future figured in the application, the site-visit brought to the surface certain dissonances between plans and reality.

The application from The Department of Business Studies at Uppsala University, including site-visit, has not provided convincing evidence that they are a centre of sustained excellence and quality in teaching and learning.

Applications Analyzed

The Speech and Language Pathology Programme, Göteborg University

The Speech and Language Pathology Programme is part of the Institute of Neuroscience and Physiology.

The programme shows impressive sensitivity to student needs and to changes in the demands of the profession. Quality assurance systems seem well developed. There is well structured interaction with other disciplines and departments in teaching and research as well as contacts with practitioners in the region. There are sustained and dynamic links to international programmes.

The number of teaching staff is rather small. The programme also lacks a full professor in speech and language pathology. In the application, much weight is given to current purpose and future intent, but it is short of grounded evidence of excellence.

The application from The Speech and Language Pathology Programme does not provide sufficient information for a second and more thorough review.

The Educational Environment for Special Needs Education, Göteborg University

The Educational Environment for Special Needs Education is concerned with basic education as well as teacher training at different levels. There are also activities such as seminars and courses targeting groups outside the university.

Within the Department for Education, the unit for Special Needs Education has developed a competent and flexible organisation structure. With the exception of the MA-programme, a high percentage of students complete their studies successfully. However, there is no information about what students do after graduation.

In spite of a long history, the unit has an unbalanced composition of the staff concerning age and academic level. These issues are being addressed with measures such as competence development, research groups and mentor systems.

The application from The Educational Environment for Special Needs Education does not provide sufficient information to proceed with a second and more thorough review.

The Graduate School of Language Technology, Göteborg University

The Graduate school of Language Technology is a national graduate school for which Göteborg University is the coordinating host. At the time of application, 42 students from ten different Swedish institutions of Higher Education were enrolled.

The overall impression retained is that the application is hard to discern and fails to address certain important criterion which makes judgments difficult. The teacher qualifications are not mentioned in the application. There is little stated about learning outcomes and impact, and the description of the quality assurance system is unclear.

The Graduate school of Language Technology does not provide sufficient information to proceed with a second and more thorough review.

The Project Management Programme, Karlstad University

The Project Management Programme at Karlstad University is organized as a unit within the Faculty of Economic Sciences, Communication and IT. The programme started in 2002 and offers specialization for students from different educational programmes.

The application provides evidence that the pedagogic model is the subject of much reflection. The programme itself is based on a clear profile. However, the programme is relatively small and is considered too young to have achieved excellence at this early stage. Research is still somewhat underdeveloped among staff and furthermore, an analysis of success factors is missing. The application provides no great detail on management and administration.

The application from The Project Management Programme does not provide sufficient information to proceed with a second and more thorough review.

The Centre for Advanced Medical Simulation, Karolinska Institutet

The Centre is highly focused and based on the transmission of cutting edge techniques and skills to increase patient safety. Staff is numerous and highly qualified. Training is well organized around highly structured sessions and students give positive evaluations.

There is an extensive inter institutional network at national level and there are well developed and active linkages with leading international establishments. However, the institute is a rather young organisation and is still in the process of developing its educational programmes. The application is bereft of information on several points. For example, the quality assurance system is only briefly mentioned, as is the examination system. Furthermore there is not an explicit description of the factors that have been important for success.

The Centre for Advanced Medical Simulation does not provide sufficient information to proceed with a second and more thorough review.

The Clinical Education in the Nursing Programme, Kristianstad University

The Clinical Education Unit within the Nursing Programme at Kristianstad University aims to be a strong academic clinical practise environment. As such, research methodology has been integrated into clinical practise.

The introduction of research methodologies in the curriculum appears to be successful and highly appreciated by students. However, the application does not contain sufficient information to make an evaluation of either the method or the context in which it is employed in.

The Clinical Education in the Nursing Programme does not provide sufficient information to proceed with a second and more thorough review.

The Commercial and Business Law Programmes, Linköping University

The Commercial and Business Law programme with French/German communication and legal culture has been offered at Linköping University since 1994. Later, a similar programme which focuses only on law and economics has been added.

This is a relatively strong and ambitious application. There are well thought out pedagogical methods supporting the students' learning process. The aims of the programmes are very convincing and the idea of integrating law, economics and language is interesting. The close links between education and legal practice and even working life by so called sponsor company activities is impressive. The application shows that there are excellent aims and good spirit behind the programmes. However, the documentation about the implementation of these aims is in some respects rather thin. Moreover, the application also lacks information on the research base of the programme as well as information about the teaching staff.

The application from the Commercial and Business Law programme does not provide sufficient information to proceed with a second and more thorough review

The Strategic Management Programme, Lund University

The Strategic Management Programme consists of courses at undergraduate and Master level within the School of Economics and Management at Lund University.

The application shows that the programme is taught according to standards. It does not reveal any particular strengths and the application itself is not very convincing. It does not provide enough information on quality assurance, success factors, research of the teachers involved and administration and management of the programme. No tangible indication is given what makes that programme special.

The application from the Strategic Management Programme does not provide sufficient information to proceed with a second and more thorough review.

The International Institute for Industrial Environmental Economics (IIIEE), Lund University

Founded in 1994 by the Swedish Parliament, the International Institute for Industrial Environmental Economics at Lund University now offers two international and interdisciplinary Master programmes.

The application convinces that the institute is a valuable addition to the academic curriculum. It is not clear that the new theoretical ground is broken, but the applied nature of the programme requires quite sophisticated organizational systems. It seems like the programme has successfully managed this. Quality assurance mechanisms are in place. There is a strong alumni network and staff are involved in (applied) research. However, the application does not bear out the Institute's claim to excellence.

The application from the International Institute for Industrial Environmental Economics does not provide sufficient information to proceed with a second and more thorough review.

The Creative Writing Programme, Lund University

The Creative Writing Programme at Lund University started in 2002 and is a relatively young programme. The programme has two major divisions, one consists of courses focusing on writing exercises, and the other allows the student to concentrate on a major writing project of their own.

The programme is small and seems vulnerable as one person is coordinator, administrator as well as Chair of a Teaching Committee. The application shows that the teachers involved in the programme are well known writers. However it does not specify how much they are engaged in the programme and how much tutoring the students receive.

The application from The Creative Writing Programme is very general and does not provide sufficient information to proceed with a second and more thorough review.

The School of Computer Science and Communication, The Royal Institute of Technology

The School of Computer Science and Communication at the Royal Institute of Technology runs undergraduate and graduate education as well as research in scientific computing, computer science, media technology and many other areas.

The application shows that this environment has much strength in such aspects as staff development, which appears to be effective, and there is evidence of recognition of teaching, effective leadership and good outcomes.

However, the structure of the application is not very clear. The undergraduate education is described in much detail but reflections are mostly on PhD or specific components. The description of the quality assurance system is rather weak and needs a more wholehearted and more elaborated development.

The application from School of Computer Science and Communication does not provide sufficient information to proceed with a second and more thorough review.

The Department of Energy Technology, The Royal Institute of Technology

The Department of Energy Technology was established in 1993, uniting several related research groups. Today the Department is responsible for a number of programmes, specializations and courses within the field of energy technology and engineering.

The application shows that this Department serves many departments and programmes and is quite international. However, the description of the organisation is too brief, success factors are not mentioned explicitly and there is no indication that students attain exceptional results. The preparatory programme seems innovative and highlighted but is not described. The application is also rather weak in its description of programme goals or outcomes.

The application from The Department of Energy Technology does not provide sufficient information to proceed with a second and more thorough review.

The Department of Scandinavian Languages, Stockholm University

The Department of Scandinavian Languages presented its application in respect of its undergraduate courses in Swedish, Swedish as a Second Language, Swedish as a Second Language for the Deaf, Scandinavian Languages (Historical Profile), and Dutch.

The application is made in a clear and convincing way. There is no doubt that the organisation is well designed and functions well. The qualifications of the staff give a convincing impression as do the teaching activities as well.

They are broad in research areas and courses and they have strong specialization on Swedish as a second Language for the Deaf.

The quality assurance system is flexible and gives a reassuring impression and so does a well designed examination system. The Department has good contacts with working life and schools.

The application is informative and well structured. However, what is described does not make the Department appear exceptional in a way that others may look on it as a good example and a model for development.

The Department of Social Work, Stockholm University

The Department of Social Work at Stockholm University offers three programmes; Bachelor of Science in social work, Master of science in social work and doctoral and Ph.D. studies, and also independent courses on a variety of topics.

The application does concentrate on the impressive work of development and improvements that the Department has carried out since the programme evaluation 2003, and in some respect also a former evaluation 2000, carried out by The National Agency for Higher education.

A lot has been done since the last evaluation and the development of quality awareness is very obvious. The overall quality has increased as a consequence of this awareness and all the work of improvements that followed, convinces. The research base has clearly been more closely integrated in the undergraduate curriculum. Investing in improving teaching skills among the teachers are another positive result. It is also convincing that a great deal of effort has been put into making the Department an attractive and interesting place to work at and be a part of.

However, the application does not provide enough relevant and convincing information for the review of excellence and quality. What is described does not make the Department appear exceptional in a way that others may look on it as a good example and a model for development.

Umeå School of Business, Umeå University

Umeå School of Business (USB) was founded in 1989. The school offers four Bachelor programmes, seven Master's programmes, doctoral programmes, and a large number of courses.

The application is well written and provides much information that is relevant. The range in the provision of different programmes and specialisations is rather broad. The organisation is well designed and functions well. The qualifications and the capacity of the staff are convincing. The internalisation is obvious in student exchange, staffing policy and the curriculum. A quality assurance system is in place and seems to work well on all levels.

However, the approach is rather mainstream and less outstanding in the sense of excellence. What is described does not make the School appear exceptional in a way that others may look on it as a good example and a model for development.

Umeå Institute of Design, Umeå University

The Umeå Institute of Design is an institute within the Faculty of Science and Technology at Umeå University. The education of industrial designers is based on artistic rather than scientific foundation.

This application shows a high degree of self confidence and describes how goals have been achieved. It is a small environment, allowing informal student voice in quality assessment. There is some evidence of external impact and good outcomes. The institute has many strengths and a very good reputation nationally as well as internationally.

However, a more structured, and in depth self analysis of what led to the institutes success is missing. It is difficult to get a picture of how deliberate enhancement has brought it to the stage where it is now. There is little evidence of a formal quality assurance process linked to that of the university. Further, there is no evidence of recognition and reward for its teaching. It would be useful with more information about external review process and student feedback.

The application from Umeå Institute of Design is impressive in many ways but does not provide sufficient information about excellent quality on some crucial aspects.

The Clinical Training Centre, Uppsala University

The Clinical Training Centre was established in 2001, primarily to provide systematic skills training for health professionals. The majority of the users are students from the Nursing and Medical programmes.

The Centre has contributed significantly to improvement of clinical training of students from different health professions education programmes at the University, the Hospital and the County.

However, the application from The Clinical Training Centre is too unspecific and does not provide sufficient information to proceed with a second and more thorough review.

Bilaga I

Kvalitetsaspekter

De miljöer som ansöker om att få utmärkelsen ska vara mycket välorganiserade och på ett framstående sätt uppfylla såväl nationella som lokala mål med utbildningen. Som vägledning anges nedan ett antal övergripande aspekter och kriterier.

- Utbildningsmiljön ska ha en organisatorisk uppbyggnad, ett kvalitetssäkringssystem och en infrastruktur som fungerar utomordentligt väl,
- utbildningsmiljön ska drivas av en kompetent ledning/administration och av engagerade lärare med relevanta kunskaper, erfarenheter och förmågor,
- utbildningsmiljön ska vara förankrad i en tydlig och stark vetenskaplig och/eller konstnärlig grund och/eller i beprövad erfarenhet,
- utbildningsmiljöns undervisnings- och examinationsformer ska vara utformade i enlighet med utbildningens innehåll och mål,
- studenternas lärande ska gagnas på ett framstående sätt,
- studenterna ska uppnå framstående resultat.

I en framstående utbildningsmiljö ska man också kunna beskriva

- utbildningens framgångsfaktorer och
- varför dessa leder till framstående resultat.

Quality aspects

The organisations that apply for this distinction must be very well organised and eminent in their fulfilment of both national and local objectives in their programmes. The following aspects and criteria are provided as guidelines.

- There must be an organisational structure, a quality assurance system and infrastructure that function exceptionally well,
- the organisation must be run by a competent management/administration and committed teachers with the relevant knowledge, experience and capacities,
- the organisation must be firmly underpinned by an explicit and robust academic and/or artistic foundation and/or tried and tested experience,
- the teaching and forms of examination used in the organisation must be designed in accordance with the contents and objectives of its programme,
- student learning is to be fostered in an eminent manner,
- the centre's students should attain exceptional results.

In a centre of educational excellence it should also be possible to describe

- the factors of educational success and
- why these lead to exceptional results.

Bilaga 2

Vilka har sökt?

Nedan listas de lärosäten och de utbildningar eller utbildningsmiljöer som har ansökt om Utmärkelsen framstående utbildningsmiljö 2007.

Lärosäten	Utbildningar/miljöer
Högskolan Kristianstad	Sjuksköterskeprogrammet
Stockholm universitet	Institutionen för socialt arbete
Stockholm universitet	Historiska institutionen
Stockholm universitet	Institutionen för nordiska språk
Uppsala universitet	Institutionen för biologisk grundutbildning
Uppsala universitet	Kliniskt träningscentrum
Uppsala universitet	Företagsekonomiska institutionen
Lunds universitet	Internationella Miljöinstitutet
Lunds universitet	Strategic Management
Lunds universitet	Författarskolan
Malmö högskola	Tandläkarutbildningen
Karlstads universitet	Industriell projektledning
Umeå universitet	Designhögskolan
Umeå universitet	Handelshögskolan i Umeå
Umeå universitet	Institutionen för historiska studier
Linköpings universitet	Affärsjuridiska programmet
Linköpings universitet	Läkarutbildningen
Linköpings universitet	Studierektorsområdet reglersystem
Chalmers tekniska högskola	Chalmers entreprenörskola
Karolinska Institutet	Center for Advanced Medical Simulation
Kungl. Tekniska högskolan	Skolan för datavetenskap och kommunikation
Kungl. Tekniska högskolan	Farkosteknikprogrammet
Kungl. Tekniska högskolan	Institutionen för energiteknik
Göteborgs universitet	Sveriges nationella forskarskola i språkteknologi
Göteborgs universitet	Logopedprogrammet
Göteborgs universitet	Specialpedagogik

